Our Corporate Values
Standard Process demonstrates commitment to the **Whole**: 

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<th>Product</th>
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<td>By fostering the physical, emotional, intellectual, and spiritual health of customers and employees</td>
<td>By emphasizing the importance of concentrated whole food ingredient sources and herbs in the product line</td>
<td>By ensuring the highest quality in every stage of development, from farming through shipping</td>
<td>By utilizing environmentally safe farming, manufacturing, and business practices</td>
<td>By preserving and strengthening the company for all future generations</td>
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Why Whole Food Nutrient Solutions Matter

Your clients bring their animals to you for many reasons, such as digestion issues, fatigue, and skin challenges, just to name a few. Many of their complaints may have a nutritional component.

“\textit{The best sources of vitamins and minerals are found in whole foods.}”
—Dr. Royal Lee, founder of Standard Process

Dogs, cats, and horses have individual nutritional needs beyond what their regular diets provide, based on their age, activity level, and health status. These patients may benefit from supplementing their diets.*

Nutrition and the relationship between food and a healthy body are more important than ever. Knowing how nutrients are digested, absorbed, transported, metabolized, stored, and eliminated by the body helps you communicate nutrition’s significant role in many health challenges. This knowledge also helps you to explain how the complexity of whole food and other ingredients in our supplements can support your patients.*

*Buckwheat field on the Standard Process certified organic farm

These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
The Standard Process Difference

There are a lot of supplement companies in the marketplace. What makes Standard Process supplements so unique? Here are just a few reasons.

Whole Foods and the Whole Food Philosophy

Since 1929, Standard Process has been the visionary leader in whole food nutrient solutions. We are dedicated to creating quality supplements based on the whole food philosophy introduced by Standard Process founder, Dr. Royal Lee. Dr. Lee’s goal was to provide nutrients as they are found in nature, where he believed their natural potency and efficacy would be realized. Our goal is to carry on his mission, creating holistic formulas by incorporating whole food ingredients along with targeted vitamins and minerals.

Starting With Whole Foods

Following this philosophy, we start with whole foods—foods you might find in the grocery store, like peas, radishes, and beets. Then, like any good cook, we prepare these ingredients in a way that safeguards their nutritional value. The resulting whole food ingredient is then added to a complex formula that may include whole food extracts, animal tissue extracts and concentrates, botanicals, whole food isolates, and synthetic ingredients as required to meet our high formula standards.

Why are whole food nutrient complexes important?

The nutrient complexes found in whole foods are valuable and essential to good health. Standard Process founder Dr. Royal Lee referred to these complexes as “the life element,” and they can be produced only through biological processes. That is why we start with the highest-quality whole food ingredients when making our supplements.

These ingredients contain complex structures that combine a variety of elements that work together to support healthy balance in the body. We add additional targeted ingredients to formulas as needed to support specific systems in the body.*
Our Focus Is on Quality, Not Quantity

When we take supplements, we often think that more is better. This common misperception can lead to megadosing, or taking vitamins that contain amounts of certain nutrients that exponentially exceed daily recommendations.

Quality is far more important than quantity when evaluating and choosing nutritional supplements. Supplements that contain only synthetic vitamins have just a fraction of the beneficial compounds that are found in foods. Those supplements may only focus on certain challenges in the body. Supplements that include whole food ingredients are more complex, as they contain a mix of constituents that can be used to address a wider range of the body’s needs.*

High-Quality Ingredients

As in any recipe, the quality of ingredients affects the quality of the final product. Manufacturers who grow their own ingredients have control over them, which is why Standard Process owns a 620-acre certified organic farm. The farm, located just a mile down the road from company headquarters in Palmyra, Wisconsin, harvests 6.7 million pounds of vegetables every year. More than 80 percent of the raw plant ingredients used in our products are grown on our farm.

We promptly process our farm-harvested crops to minimize the loss of phytonutrients and deliver those nutrient complexes so integral to Dr. Lee’s vision.

For items we can’t grow, Standard Process has an extensive, rigorous system of supplier auditing and validation. This allows us to provide patients with a product that has been controlled, vetted, tested, and verified from beginning to end.

Some types of processing can destroy enzymes and phytonutrients. Our manufacturing process is designed to minimize the loss of vital nutrients from each ingredient.
How Standard Process Defines Quality

How we define quality frames our approach to making supplements, from our whole food philosophy and our careful ingredient sourcing to our formulations and dedication to rigorous testing and safety. “Quality from seed to supplement®” is more than just a tag line to us—it’s a commitment we take to heart during every step of the production process.

A whole food supplement is a complex formula of targeted ingredients that may include:

Whole food ingredients—complete foods prepared in a way that safeguards their nutritional value
On our product labels are many ingredients that you recognize as foods. Some of these whole food ingredient sources are regularly grown locally on our certified organic farm, including alfalfa, barley grass, beets, Brussels sprouts, buckwheat, kale, kidney beans, oats, pea vine, and Spanish black radish. This allows us to control the quality of these ingredients from seed to supplement.

Whole food concentrates—processed parts of a whole food containing two or more constituents of the original whole food
These concentrates are used when a beneficial concentration of nutrients cannot be obtained using a whole food ingredient. Fish oil is a good example. Derived from whole fish, the nonconcentrated triglyceride oil that makes up our final product allows patients to take advantage of the naturally occurring DHA and EPA omega-3 fatty acids.

Whole food isolates—single components from a whole food
Sometimes foods do not contain sufficient quantities of specific nutrients to address certain health challenges. In this case, we use evidence-based food isolates to complement whole food ingredients for optimal nutritional support.

Isolates like glucosamine are used in our products because they are well-researched and have strong evidence for efficacy. Isolates derived from whole food sources are combined with other ingredients to maximize efficacy.
Animal tissue extracts and concentrates—whole food ingredients derived from bovine, ovine, and porcine sources

The use of specific animal tissue has a long history at Standard Process. The first product based on a Protomorphogen™ brand extract was introduced in 1952 and contained bovine heart PMG™ extract. Why do we start with glands and organs? These tissues are inherently different from skeletal muscle. Organ meats have more DNA per gram than skeletal muscle, different protein profiles, and different starting concentrations of vitamins and minerals. All raw animal tissues are exclusively from U.S. Department of Agriculture (USDA)-inspected facilities.

Protomorphogen™ Brand Extracts

Continuing the pioneering work of Dr. Royal Lee, certain Standard Process products contain specific Protomorphogen™ brand extracts. Protomorphogen™ brand extracts are specific materials extracted from animal glands and organs through a complex, multistep process to retain what Dr. Lee termed “cellular determinants.” Current laboratory methods have confirmed that Protomorphogen™ brand extracts contain minerals, nucleotides (the components of nucleic acids like RNA and DNA), and peptides (short chains of amino acids).

Cytosol™ Brand Extracts

Cytosol™ brand extracts are derived from the cytoplasm of selected organs and glands through a process similar to the Protomorphogen™ extraction process. However, these extracts contain cellular factors such as hormone precursors and synergistic cofactors that are the biochemical building blocks essential to cellular metabolism.

Whole Desiccates

Whole desiccates are tissues that have been dried to provide the nutritional content of the organ in a concentrated form.

Botanicals—plants and plant extracts with health-supporting properties

Botanicals provide important constituents that contribute additional support to the body’s systems by complementing the vitamins, minerals, and tissue concentrates found in whole food ingredients.*

Synthetic ingredients—a nutrient produced by chemical means

We know Dr. Lee included synthetics in his original formulas to meet label claims and/or enhance product effects. Historically and still today, this type of ingredient is used selectively. Where synthetics appear, they have been added to protect the complexity and synergistic design of the formula.
The Standard Process Certified Organic Farm

Our founder, Dr. Lee, emphasized the importance of producing high-quality supplements made with whole food ingredients. We are proud to be one of the few supplement manufacturers that can assure quality ingredients by continuing our tradition of growing many of our raw materials locally and organically.

More than 80 percent of the raw plant ingredients used in our products are grown on our 620-acre farm. We harvest 6.7 million pounds of produce per year on the farm, which is located just a mile down the road from our corporate headquarters. Standard Process has become a respected leader in the regional and national organic farming community.

Organic Farming Methods

We use organic farming practices that have been part of our culture for 90 years to ensure that the quality of our farmland is maintained for years to come. In accordance with our organic certification, we follow strict guidelines to grow our crops and keep detailed records of our farming practices. Our farmland is monitored annually by the Midwest Organic Services Association (MOSA) to ensure that only approved farming practices are used. At Standard Process, we are involved from the moment a seed is planted through shipping the finished product to your door.

“Whole food nutrition begins with sun, water, and fertile soil.”

—Dr. Royal Lee

◆ Alfalfa
◆ Barley grass
◆ Beets
◆ Broccoli
◆ Brussels sprouts
◆ Buckwheat
◆ Celery
◆ Kale
◆ Kidney beans
◆ Oats
◆ Parsley
◆ Pea vine
◆ Red clover flower
◆ Spanish black radish

To attract bees, tree lines along the Standard Process farm are kept intact, and plants are blooming from spring to fall in a native pollinator garden. The habitat is home to more than 500 plants and 35 different varieties that attract insects to the farm.
Seeds
In an organic system and on our certified organic farm, there is zero tolerance for genetic engineering. On the Standard Process farm, we use certified organic seeds whenever they are available, whether they are purchased or saved from our own farm. If after a diligent search it is determined that organic seed is not available, other untreated seed that has not been genetically engineered is only then considered an option.

Soil
We take soil samples annually to determine mineral and nutrient levels in the soil. We never use any synthetic fertilizers or pesticides in the organic growing process.

Weed Control
Like all farmers who strictly adhere to organic weed-control standards, we spend many of our days managing weeds. There is no simple approach, just a comprehensive one that includes cultivating, mowing, and hand weeding. To minimize weeds, we grow cover crops and institute crop rotation. These practices have additional benefits: Cover crops are a great source of nitrogen and organic matter, and crop rotation helps maintain the health of the soil and the plants.

Irrigation
When irrigation is necessary, water is supplied from a naturally occurring artesian flowage below the farm’s surface.

Pollination
Colony collapse disorder has had a catastrophic effect on the honeybee population in the United States and threatens the pollination of our nation’s fruits and vegetables. That’s why our farm has planted more than 500 plants of 35 different native species in a permanent habitat for honeybees and other pollinators.

Composting
It is a goal of every organic farm to increase fertility and improve soil health. We use the biological process of composting to turn organic production waste from the farm’s press room into a rich and extremely fertile humus-like substance that we spread over our fields.

Environmental Buffers
Our farm is surrounded on all sides by environmental buffers to minimize the impact of nonagricultural land and synthetic inputs from conventional farming practices.
Manufacturing: Processes That Preserve Nutrients

Preserving the whole food complex is a top priority when manufacturing our supplements. Our formulas are based on Dr. Lee’s time-proven philosophies. Quality takes time. Our manufacturing process, from raw materials to finished product, takes an average of six weeks. Throughout the process, raw materials are handled in a carefully controlled environment and tested for quality.

Exclusive Certified Organic Manufacturing Processes

Our manufacturing processes are certified as organic by MOSA, ensuring that ingredients remain organic from seed to supplement. Our processes are also certified by NSF International for GMP compliance. Each process is designed to preserve nutrients in raw materials.

Juice Extraction

To capture the nutrients from raw materials such as buckwheat, alfalfa, and pea vine, the juice is pressed from the plants and separated from the pulp. The result is a concentrated product containing both fat- and water-soluble nutrients.

Separation Process

Selected animal tissues used to make our Protomorphogen™ and Cytosol™ extracts are ground to create a liquid slurry. The slurry is subjected to our proprietary multistep separation methods. All raw animal tissues are obtained exclusively from USDA-inspected facilities.

Drying

To safeguard the complexity of our raw materials, we use equipment that allows for accurate temperatures and highly reproducible processes.

◆ Double drum: dries extracts from both plant and animal tissues
◆ Forced air: a multistage forced-air belt dryer that works like a sophisticated food dehydrator

Isolated Production Processes

We use isolated production suites for the following processes. These suites enhance cleanliness and reduce the risk of cross-contamination in the manufacturing area.

Mixing

Dried materials are precisely measured and carefully mixed. Because of the variability in natural and organic ingredients, color, texture, and odor may vary from batch to batch. However, the basic formula remains constant, and is tested for quality assurance.
Standard Process is proud to be an industry leader in organic certifications. Not only do we have our own certified organic farm, our manufacturing processes are also certified as organic.

**Binding and Processing Aids**

After mixing, our fluid bed granulator is used to add natural binding ingredients, such as honey and arabic gum, to the product batch for tableting. Other processing aids we use include cellulose and calcium stearate. Cellulose is often used to give body to the powders. When needed, calcium stearate, derived from vegetable sources, is used to help product release from the tablet and capsule machines. We do not use artificial flavoring.

**Tableting, Capsuling, Perling, and Powder Filling**

Our supplements are offered in several forms of delivery. The most common are tablets, capsules, perles, and powders.

**Tablets**—Tablet presses used by Standard Process allow for high-volume production without sacrificing quality. All of our finished tablets are routinely analyzed for content to ensure that label claims are accurate.

**Capsules**—Capsule machines are continuously monitored to ensure that precise amounts of product are enclosed in gelatin and/or cellulose capsules. Capsules are packaged by weight, not volume. Therefore, the denser the product, the less you will find in the capsule. The gelatin capsules are considered pareve/parve, meaning the capsule has been processed so extensively that it can be considered to have been prepared without meat or other derivatives.

**Softgels**—Our gelatin softgels have a clear look as a result of our continuing sustainability efforts. Because our bottles are tinted amber, we eliminated the carob that previously gave the perles a brown color. The dark bottle color helps protect nutrients from damaging light.

**Powders**—For powder formulas, we use a volumetric filler, which achieves very accurate fill amounts.

**Packaging**

Our products are packaged in either amber glass bottles or bisphenol A (BPA)-free bottles made of polyethylene terephthalate (PET) plastic. The color of the bottles helps protect the supplements’ nutrients from damaging light, while the sealed bottle helps prevent product oxidation. Seals and neckbands protect against product tampering. The majority of the products are then packaged in eco-friendly cardboard cartons, providing easy storage, protection, and shipping.

**Cleaning**

In between product runs, all of the equipment used in our manufacturing process is taken apart, cleaned, and sanitized. Adenosine triphosphate (ATP) testing is used to validate the effectiveness of the equipment-cleaning process. In addition, the surrounding production suite, including the floors, walls, and vent covers, is cleaned.

**Environmental Monitoring**

In order to monitor the general level of manufacturing hygiene, Standard Process has implemented an environmental monitoring program for the facility. The program is twofold: It highlights the presence of any foodborne pathogen that may be in the facility and determines the source of these pathogens. Routine meetings between production and quality control personnel are held to maintain the highest level of cleanliness throughout all areas of the facility.
Quality Control: Comprehensive and Meticulous

Another way Standard Process is a leader in the supplement industry is through its quality control program. In fact, since the good manufacturing practices (GMPs) for dietary supplements were published in 2007, many companies began to look at quality in the way Standard Process has been doing for decades.

Our quality control laboratory recently earned ISO 17025:2005 accreditation for Determination of Metals, Direct Yeast & Mold, Coliforms, and E. coli. Laboratories who receive this accreditation have demonstrated that they are technically competent and able to produce precise and accurate tests and calibration data. In order to be accredited, third party auditing was conducted to ensure adherence to all requirements of the standard.

Our quality control team consists of highly trained microbiologists and chemists who work meticulously to guarantee our customers receive quality products. This department performs testing after critical stages of production to ensure our label claims are met and confirms products are free of bacterial contamination. Shelf-life studies are also conducted on each product to make certain that label claims are met throughout the life of the product.

Quality Assurance

We use high-performance thin-layer chromatography (HPTLC) to identify incoming raw materials and in-process materials and qualify them based on consistency, potency, and purity. HPTLC is used to create a unique banding pattern, or “fingerprint,” by isolating key chemical constituents to aid in identification of these materials.

Quality Audits

We work very closely with our suppliers, using a questionnaire for qualification and an auditing program designed to ensure quality. Planned site visits are conducted 12-14 times per year based on risk analysis. Our purchasing department evaluates on-time delivery, customer service, invoicing, and more.

Testing

Testing of every batch is repeated in various stages throughout the manufacturing process to ensure quality and safety of our products. On average, a batch is tested six times. Every week, our scientists in our full-scale quality control laboratory run as many as 1,100 tests on raw materials, in-process product batches, and finished product. We use analytical methods approved by nationally recognized evaluative bodies, including the Association of Analytical Communities (AOAC) and United States Pharmacopeia (USP).

Gluten

We pay special attention to ensuring that the products we label as “gluten-free” are indeed gluten-free. In conjunction with the research and development team, the quality control department has internally validated a method approved by the Association of Analytical Communities for gluten testing using the RIDASCREEN® Gliadin by R-Biopharm. The testing consists of an enzyme immunoassay to quantify the prolamines that are found in wheat, barley, and rye.

In order for a product to be considered gluten-free by U.S. Food and Drug Administration standards, it needs to contain less than 20 ppm of gluten. Products listed with this designation are tested each time they are manufactured to ensure gluten-free compliance.

Laboratory Information

Management System (LIMS)

Standard Process’ quality control department has fully validated and implemented the Nexxis iLAB laboratory integrated management system (LIMS) by Labtronics. The system allows for a centralized storage location for all data analysis conducted by the laboratory.

| High-Performance Liquid Chromatography (HPLC) |
| vitamins A, E, B<sub>6</sub>, B<sub>12</sub>, C, D; niacin; folic acid |
| Gas Chromatography (GC) |
| solvents |
| Inductively Coupled Plasma (ICP) |
| minerals, heavy metals |
| High-Performance Thin-Layer Chromatography (HPTLC) |
| botanical identification |
| Fourier Transform Infrared Spectroscopy (FTIR) |
| raw material identification |
| LECO® |
| protein analyzer |
Chemistry
Multiple assays, or tests, are performed to guarantee that our products meet or exceed label claims and to ensure the viability of the product through its “Best Used By” date. We use the following instrumentation in testing raw materials and final product mixes:

The chemistry laboratory personnel also conduct wet chemistry tests. The vast testing capability of the chemistry laboratory allows Standard Process to verify the identity, purity, and strength of our products and of the raw materials used in our products.

Microbiology
Every product batch is tested for pathogens to ensure our products are safe to continue to the next stage of production. Testing is conducted in all phases of the manufacturing process, including raw materials, mixing, milling, tableting, capsuling, and packaging.

Each product batch is tested an average of six times.

Raw materials, in-process products, and final products are only released to the next stage of production by the quality control unit upon verification that the material or product has passed all testing requirements.

Tableting and Capsuling Process
Many tests are performed after the product is tableted or capsuled, including:

- Monitoring tablets for size, weight, water activity, and hardness (Hardness testing ensures that tablets remain intact throughout the packaging and shipping process.)
- Monitoring capsules for size, weight, and water activity
- Monitoring powders for water activity
- Verification of tablet and capsule weight to guarantee that label claims are met
QUALITY CHECKS
From Raw Ingredient to Final Product

SUPPLIER AUDITS
MOST RAW MATERIALS

Raw Material Receiving

Mixing/Milling

Tablet/Capsule/Perle Preparation

Tableting/Capsuling/Perling

Packaging

Continuous Monitoring of Label Claims, Shelf Life, and Customer Comments
Research and Development at Standard Process

A New Era of Innovation

Standard Process has embarked on the next era of innovation. As a company, we've always been driven to excellence in our efforts to transform lives through whole food nutrition therapy. Now we are elevating our commitment to change lives to the next level by significantly investing in clinical science, patient outcomes, and practitioner education. This is how we will drive innovation for the future.

Our commitment began with the establishment of the new Standard Process Nutrition Innovation Center, which opened in early 2018.

Standard Process Nutrition Innovation Center

It is located at the prestigious North Carolina Research Campus (NCRC) in Kannapolis, North Carolina, which is a 350-acre research center where corporations, universities, and health care organizations forge a public-private partnership that is transforming science at the intersection of human health and nutrition. Our Nutrition Innovation Center will become a leading focal point for innovation in nutritional therapy for health care practitioners, developing new solutions for patient care, and advancing the science of whole food nutrition therapy.

The Standard Process Nutrition Innovation Center is a catalyst for this next era of innovation. Our center will be the leading and only active clinical research center of its kind, being fully dedicated to supporting the present and future needs of health care practitioners and their practices by focusing on clinical outcomes in therapeutic care as well as product-specific benefits and outcomes. No other branded company in our category of business currently has the commitment and dedicated, active facility that this site does for both mid- and long-term support of whole food clinical nutrition. This is a logical next step for Standard Process, which has supported the foundations of health in integrative and functional medicine for 90 years.

The center also recognizes the intricate and essential link between individual health and the environment. To that end, the center will also focus on advancement of organic agriculture. This will include investigating techniques that optimize nutrient density of whole food crops and researching actual benefits that whole food nutrition provides in managing health outcomes.
How the Dietary Supplement Industry Is Regulated

The dietary supplement industry has often been incorrectly criticized for being “unregulated.” That perception is incorrect. The U.S. Food and Drug Administration (FDA) has always been able to regulate the dietary supplement industry according to food regulations.

Prior to the 1994 Dietary Supplement Health and Education Act (DSHEA), the FDA could conduct regular routine physical inspections of manufacturing facilities, regulate label claims to make sure they are truthful and not misleading, ensure the safety of ingredients used in the products, and disallow new ingredients or remove existing ingredients for safety reasons. The following information shows the regulatory-compliance timeline for the dietary supplement industry.

1994 | DSHEA Act

Prior to 1994, dietary supplements were regulated as foods under the Food, Drug, and Cosmetic Act. After this act was promulgated, it provided a dietary-supplement classification for the first time. It acknowledged the importance of nutrition and the benefits of dietary supplements to promote health and prevent disease, provided guidelines for labeling, and allowed statements of nutritional support. The act also established an Office for Dietary Supplements in the National Institutes of Health. The office’s purpose is to explore the potential role that dietary supplements have to improve health care and to promote the scientific study of the benefits of dietary supplements in maintaining health and preventing chronic disease.

To learn more: visit www.health.gov/dietsupp/ch1.htm
2002 | Public Health Security and Bioterrorism Preparedness and Response Act

This act consists of five separate sections. The most significant part requires facilities that manufacture, process, pack, or hold food for human consumption in the United States to register the facility with the FDA by December 12, 2003. This act has given the FDA a much-needed tool to identify food facilities operating within the United States and manufacturing food for export to the United States and to monitor food tampering or bioterrorism incidents in the future.

To learn more: visit www.fda.gov/ICECI/ComplianceManuals/CompliancePolicyGuidanceManual/ucm122876.htm

2006 | Adverse Event Reporting System

The Dietary Supplement and Nonprescription Drug Consumer Protection Act, passed in late 2006, mandates the reporting of serious adverse events associated with dietary supplements. The actual law went into effect in December 2007. Dietary supplements have a very safe track record. This reporting system promotes earlier detection in case of an event and earlier identification of tampered or adulterated products. This legislation should give the consumers greater confidence in the safety of dietary supplements.

To learn more: visit https://www.fda.gov/food/guidanceregulation/guidancedocumentsregulatoryinformation/dietarysupplements/ucm171383.htm

2007 | Good Manufacturing Practices for Dietary Supplements

Good manufacturing practice (GMP) regulations were designed specifically for dietary supplements and went into effect August 24, 2007. To limit any disruption for dietary-supplement production by small businesses, these rules had a three-year phase-in period. Companies with less than 500 employees, like Standard Process, had until June 2009 to comply. Since the DSHEA Act in 1994, the FDA has been charged with establishing GMPs specific for this industry. These regulations establish the GMPs needed to ensure quality throughout the manufacturing, packaging, labeling, and storing of dietary supplements to provide consistent product free of contamination and with accurate labeling. This final rule provides companies with a model to follow when manufacturing supplements and guidance for new companies entering the industry, which should effectively raise the standards throughout the industry. Standard Process is proud to be in compliance with these standards.

To learn more: visit www.fda.gov/Food/GuidanceRegulation/CGMP/default.htm
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Veterinary Formulas for Pets

Designed for both dogs and cats, these formulas contain a variety of whole food and other ingredients. These products are available in tablet form and can accommodate a range of body weights.
**VF Antronex®**

When the body’s natural histamine response function kicks in, other systems are affected, including the immune system and the liver. Building up defenses helps make sure these systems are working at optimal levels to support pet health.

**VF Antronex®:**
- Supports the liver and the body’s normal detoxification mechanisms*

**Indications for Use**
- Clinical signs associated with liver challenges
- Patients in need of additional hepatic support
- Short- or long-term support for patients influenced by environmental, seasonal and other stresses

**Adjunctive Products**
- Canine Dermal Support
- Canine or Feline Immune System Support
- Canine or Feline Enteric Support

**Supplement Facts**
Stated amounts depend on dose.

**Ingredients**
Calcium lactate, bovine liver fat extract (yakriton), and vitamin E (sunflower).

**Other Ingredients**
Calcium stearate and arabic gum as tableting aids.

**Minerals**
Calcium . . . . 40 mg/tablet

**Content Product No.**
90 tablets . . . A3010

**How to Administer**
Based on body weight, the patient should receive the formula according to the following recommendations, or as otherwise directed.

All cats, dogs <20 lbs. . . . . . . . 1 tablet/day
Dogs 20-50 lbs. . . . . . . . . . . . . 1 tablet 2x/day
Dogs >51 lbs. . . . . . . . . . . . . . 1 tablets 3x/day

The tablets can be given whole or crushed and dosed directly or given with food.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
 VF Bio-Dent®

Nutrition is a powerful tool to support pet oral health. VF Bio-Dent contains calcium, phosphorus, and manganese for support of the bony structures and connective tissue in the body, including the mouth. The formula also contains complex food-based ingredients that provide support for endocrine and immune system health.*

VF Bio-Dent*:  
- Contains many of the building blocks needed to support and maintain oral health  
- Provides systemic support for an overall healthy mouth, especially in an orally challenged animal  
- Provides building blocks for young animals that are experiencing tooth and bone growth and development*

Indications for Use  
- Support for normal growth and development of bone and the oral cavity  
- Support for the health of oral tissues  
- Support for the oral cavity, particularly in times of stress

Adjunctive Products  
- Canine or Feline Immune System Support

Supplement Facts  
Stated amounts depend on dose.

**Ingredients**
Bovine bone, defatted wheat (germ), calcium lactate, carrot (root), veal bone, bovine adrenal, bovine spleen, ovine spleen, manganese glycerophosphate, sweet potato, licorice (root), and rice (bran).

**Other Ingredients**
Honey, cellulose, calcium stearate, and arabic gum as tableting aids.

**Minerals**
- Calcium . . . . 20 mg/tablet
- Phosphorus . 10 mg/tablet
- Manganese . . 1.4 mg/tablet

**Content**  
90 tablets . . . . A3000

How to Administer  
Based on body weight, the patient should receive the formula according to the following recommendations, or as otherwise directed.  
All cats, dogs <20 lbs. . . . . 1 tablet 2x/day  
Dogs 20-50 lbs. . . . . . . . . . . 2 tablets 2x/day  
Dogs >51 lbs. . . . . . . . . . . . . 3 tablets 2x/day  
The tablets can be given whole or crushed and dosed directly or given with food.

Please consult the product packaging label for the most accurate product information.
VF Thymex®

Nutrition is a powerful tool to support pet immune system health. VF Thymex supports a healthy thymus gland, the master gland of the immune system.*

VF Thymex*:  
- Can be used in combination with other immune system support products  
- Good source of antioxidant vitamin C*

Indications for Use
- Patients in need of additional immune system support  
- Patients in need of generalized trophic immune system support  
- Patients with short-term or ongoing immune system challenges

Adjunctive Products
- Canine or Feline Immune System Support  
- Canine or Feline Hepatic Support  
- Canine or Feline Whole Body Support

Supplement Facts
Stated amounts depend on dose.

Ingredients
Calcium lactate, bovine thymus Cytosol™ extract, magnesium citrate, and ascorbic acid.

Other Ingredients
Cellulose and calcium stearate as tableting aids.

Content    Product No.
90 tablets . . . A3020

How to Administer
Based on body weight, the patient should receive the formula according to the following recommendations, or as otherwise directed.

All cats, dogs <20 lbs. . . . . . . . .1 tablet 3x/day  
Dogs 20-50 lbs. . . . . . . . . . . . . . . .2 tablets 3x/day  
Dogs >51 lbs. . . . . . . . . . . . . . . .3 tablets 3x/day

The tablets can be given whole or crushed and dosed directly or given with food.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
Canine Formulas

Since dogs are omnivores, the canine formulas contain a variety of ingredients, including a balance of animal tissues and botanical materials. These ingredient combinations provide a spectrum of nutrients to support multiple organs. Most of the canine formulas are powdered to accommodate the range of body weights in the canine population.*
Canine Adrenal Support

The adrenal glands help the body adapt to stress through the release of corticosteroids and hormones. With chronic stress, the adrenals can become fatigued, affecting many body systems, including the pituitary and thyroid glands, autonomic nervous system, liver, duodenum, and kidneys.

**Canine Adrenal Support** is formulated to:
- Help adrenal glands respond normally to stress and metabolic demands
- Support the glands’ ability to rebuild and regenerate
- Provide vital nutritional support to related organs*

**Indications for Use**
- Sudden stressful event or ongoing stress (internal or external)
- Signs of fatigue, reduced stamina, glucose intolerance, inflammatory response, and inadequate immune system functioning
- Clinical signs associated with adrenal stress

**Adjunctive Products**
- Canine Whole Body Support
- Canine Hepatic Support

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**Supplement Facts**

Stated amounts depend on dose.

**Ingredients**
Bovine liver, bovine adrenal PMG™ extract, black currant juice, organic dried alfalfa (aerial parts) juice, porcine duodenum, defatted wheat (germ), eleuthero (*Eleutherococcus senticosus*), nutritional yeast, carrot (root), wheat (germ) oil, organic shiitake mushroom powder, organic reishi mushroom powder, veal bone PMG™ extract, bovine adrenal Cytosol™ extract, organic dried pea (vine) juice, rice (bran), bovine adrenal, bovine kidney, organic dried buckwheat (aerial parts) juice, organic buckwheat (seed), sea salt, oat flour, bovine orich extract, bovine pituitary PMG™ extract, bovine thyroid PMG™ extract (processed to substantially remove its thyroxine), sunflower lecithin, chlorophyll extract, kelp, and manganese glycerophosphate.

**Minerals**
Sodium . . . . . 35 mg/½ tsp.

**Content** | **Product No.** | **Servings per Container**
--- | --- | ---
25 g . . . . . . A1100 . . . . . . . . 65 based on ¼ tsp.
100 g . . . . . A1150 . . . . . . . . 65 based on ½ tsp.

**How to Administer**
Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

- 1-10 lbs. . . . . ½ tsp. once/day
- 11-20 lbs. . . . . ¼ tsp. twice/day
- 21-40 lbs. . . . . ¼ tsp. twice/day
- >40 lbs. . . . . 1 tsp. twice/day

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.

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Canine Cardiac Support

The heart is at the center of the cardiovascular system, which is a complex, coordinated group of organs and tissues. Nutritional support for the cardiovascular system also includes the other organs that support the heart, such as the liver, kidneys, and digestive system.

**Canine Cardiac Support** provides nutrients that:

- Support optimal cardiac function
- Support normal function of muscle-cells*

**Indications for Use**

- General cardiac support
- Patients with increased cardiac demand or conditions that increase cardiac workload

**Adjunctive Products**

- Canine Renal Support
- Canine Adrenal Support
- Canine Whole Body Support

---

**Supplement Facts**

Stated amounts depend on dose.

**Ingredients**

L-carnitine, bovine liver, bovine heart PMG™ extract, rice (bran), bovine kidney, bovine orchic extract, organic beet (root), defatted wheat (germ), bovine spleen, ovine spleen, selenium yeast, ribonucleic acid, wheat (germ) oil, bovine pancreas Cytosol™ extract, veal bone PMG™ extract, organic dried buckwheat (aerial parts) juice, organic buckwheat (seed), organic dried alfalfa (aerial parts) juice, calcium lactate, hawthorn (berry), carrot (root), organic shiitake mushroom powder, organic reishi mushroom powder, nutritional yeast, organic dried pea (vine) juice, Spanish moss (*Tillandsia usneoides*), oat flour, para-aminobenzoate, chlorophyll extract, inositol, choline bitartrate, porcine brain, and ascorbic acid.

**Minerals**

<table>
<thead>
<tr>
<th>Mineral</th>
<th>Amount/½ tsp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium</td>
<td>1 mg/½ tsp.</td>
</tr>
<tr>
<td>Sodium</td>
<td>12 mg/½ tsp.</td>
</tr>
<tr>
<td>Selenium</td>
<td>18 mcg/½ tsp.</td>
</tr>
</tbody>
</table>

**Content Product No. Servings per Container**

<table>
<thead>
<tr>
<th>Content</th>
<th>Product No.</th>
<th>Servings per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 g</td>
<td>A1200</td>
<td>60 based on ⅛ tsp.</td>
</tr>
<tr>
<td>100 g</td>
<td>A1250</td>
<td>70 based on ½ tsp.</td>
</tr>
</tbody>
</table>

**How to Administer**

Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

1-10 lbs. . . . . . ⅛ tsp. once/day  
11-20 lbs. . . . . ¼ tsp. twice/day  
21-40 lbs. . . . . ½ tsp. twice/day  
>40 lbs. . . . . . 1 tsp. twice/day  

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.
Canine Dermal Support

Nutrition plays a major role in skin health. Healthy skin is a result of a well-functioning, synchronized effort by tissues and organs in the body.

**Canine Dermal Support** contains whole food ingredients to help:
- Maintain proper liver, adrenal, immune, and intestinal function
- Support and maintain the skin’s ability to withstand the effects of environmental exposures*

**Indications for Use**
- General skin health
- General digestive system health, adrenal gland health, or immune system health

**Adjunctive Products**
- Canine Enteric Support
- Canine Adrenal Support
- Canine Hepatic Support
- Canine Whole Body Support

**Supplement Facts**
Stated amounts depend on dose.

**Ingredients**

**Minerals**
- Zinc  ....... 58 mcg/½ tsp.

**Vitamins**
- Vitamin A  .... 12 IU/½ tsp.

<table>
<thead>
<tr>
<th>Content</th>
<th>Product No.</th>
<th>Servings per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 g  .......  A1300  ......... 65 based on ¼ tsp.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>125 g  .... A1350  ......... 75 based on ½ tsp.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**How to Administer**
Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

- 1-10 lbs.  .... ¼ tsp./day  
- 11-20 lbs.  .... ½ tsp./day
- 21-40 lbs.  .... ¼ tsp./twice/day
- 41-60 lbs.  .... ½ tsp./twice/day
- 61-80 lbs.  .... ¾ tsp./twice/day
- >80 lbs.  .... 1 tsp./twice/day

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.

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Canine Enteric Support

A healthy digestive tract is critical to overall health and well-being. In addition to breakdown and absorption of nutrients, digestive health can also have a significant impact on other body systems (immune system, liver, bone marrow, or adrenal glands).

**Canine Enteric Support** contains a variety of functional foods, both plant and animal, that “feed” the various components of the digestive system to:

- Provide general digestive system support
- Support the ability of intestinal cells to function, regenerate, and respond to daily metabolic and immune challenges*

## Indications for Use

- General enteric support
- Patients with increased metabolic demand
- Hepatic patients in need of additional enteric support

## Adjunctive Products

- Canine Immune System Support
- Canine Hepatic Support
- Canine Whole Body Support

### Supplement Facts

Stated amounts depend on dose.

**Ingredients**

Porcine stomach, L-glutamine, porcine duodenum, porcine jejenum, defatted wheat (germ), bovine liver, veal bone PMG™ extract, organic dried alfalfa (aerial parts) juice, bovine parotid PMG™ extract, bovine kidney, nutritional yeast, bovine liver PMG™ extract, bovine spleen, ovine spleen, bovine adrenal PMG™ extract, organic dried pea (vine) juice, bovine pancreas Cyotosol™ extract, carrot (root), oat flour, organic reishi mushroom powder, organic shiitake mushroom powder, bovine orchic extract, rice (bran), bovine pancreas PMG™ extract, purified bovine bile salts, Spanish moss (*Tillandsia usneoides*), licorice (root), wheat (germ) oil, organic dried swiss chard (beet leaf juice, organic beet (root), calcium glycerophosphate, chlorophyll extract, bovine parathyroid, and bovine pituitary PMG™ extract.

**Minerals**

Phosphorus . . . 5 mg/½ tsp.  Sodium . . . . 12 mg/½ tsp.

**Vitamins**

Vitamin B₂ . . . . 30 mcg/½ tsp.  Niacin . . . . . . . . . . . . 0.2 mg/½ tsp.

<table>
<thead>
<tr>
<th>Content</th>
<th>Product No.</th>
<th>Servings per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 g</td>
<td>A1400</td>
<td>75 based on ½ tsp.</td>
</tr>
<tr>
<td>110 g</td>
<td>A1450</td>
<td>70 based on ½ tsp.</td>
</tr>
</tbody>
</table>

### How to Administer

Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed:

- 1-10 lbs. . . . ¼ tsp. once/day
- 11-20 lbs. . . . ½ tsp. twice/day
- 21-40 lbs. . . . ¾ tsp. twice/day
- >40 lbs. . . . 1 tsp. twice/day

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.

*Please consult the product packaging label for the most accurate product information.*
Canine Flex Support

Wear and tear of joints and surrounding tissues, especially in very active and aging dogs, can cause stiffness and trigger the body’s normal inflammatory response function.

**Canine Flex Support** helps maintain healthy joint function, including support for the cartilage. It provides nutrients that:

- Moderate the body’s normal inflammatory response
- Provide potent antioxidants
- Support healthy immune modulation*

**Indications for Use**

- Maintenance: especially for large breeds, performance dogs, and growing puppies
- Short- or long-term support for any dog with joint challenges, especially for active or aging dogs

**Adjunctive Product**

- Canine Musculoskeletal Support

**Supplement Facts**

Stated amounts depend on dose.

**Ingredients**

- Glucosamine (as glucosamine sulfate) (shellfish source) ...... 250 mg
- Chondroitin (as chondroitin sulfate) (bovine source) ........ 110 mg
- d-alpha tocopherol (vitamin E sunflower) ................ 5 IU
- Vitamin C (as ascorbic acid) ............................. 5 mg

**Other Ingredients**

Honey, ginger root, bovine liver, calcium stearate, and turmeric extract.

<table>
<thead>
<tr>
<th>Content</th>
<th>Product No.</th>
<th>Servings per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 wafers</td>
<td>A1480</td>
<td>100 based on 1 wafer per serving</td>
</tr>
</tbody>
</table>

**How to Administer**

Based on body weight, the canine patient should receive the canine formula according to the following recommendations, or as otherwise directed.

- 1-25 lbs. .... 1 wafer/day
- 26-50 lbs. .... 2 wafers/day
- 51-80 lbs. .... 3 wafers/day
- >80 lbs. .... 4 wafers/day

The wafer can be given as a treat or crushed and mixed with the dog’s food.

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Canine Hemp Oil Complex™

Canine Hemp Oil Complex™ is a unique formulation of ingredients, combined to provide a 3-in-1 benefit for a dog's whole body – supporting the endocannabinoid system, inflammation response resolution pathways, and endogenous anti-oxidant pathways.

- Supports the endocannabinoid system*
- Supports the body’s natural inflammatory response function*
- Ingredients that provide antioxidant activity*
- Non-genetically engineered hemp
- Gluten-free
- Combination of natural omega-3 fatty acids, including DHA, DPA and EPA
- Calamari oil certified sustainable from the independent nonprofit group Friend of the Sea®

Canine Hemp Oil Complex™ is a combination of well-balanced polyunsaturated fatty acids (PUFAs, omega-3 oil) delivering essential fatty acids needed for the formation of specialized lipid mediators for a healthy immune response. Hemp oil and omega-3 oil may support the resolution phase of the inflammatory process by providing PUFAs which are known to be precursors to endocannabinoids. Additionally, Brassica (TrueBroc®) is an important phytonutrient providing antioxidant support by activating the Nrf2/ARE pathways.

Why support a dog’s endocannabinoid system (ECS)?

The ECS is present throughout the body and appears to be an important factor in multiple physiological and pathophysiological mechanisms in all mammals.1

Endocannabinoids are derivatives of PUFAs, and are critical in supporting the ECS. Additionally, supplementation of hemp-oil derived fatty acids support key inflammatory mediators involved in the resolution phase of a healthy inflammation process.2,3 A well-balanced ECS encourages favorable conditions in the body system, impacting the body’s ability to manage metabolic stress4 and may support overall health and well-being.5

Supplement Facts

Stated amounts depend on dose.

**Ingredients**

Calamari oil, hemp oil (stalk and seed), TrueBroc®, and broccoli (aerial parts).

TrueBroc® is protected by trademarks and patents of Brassica Protection Products LLC: www.brassica.com/ip

Magnesium ........................................................................ 20 mg/softgel
Glucoraphanin .................................................................. 2.5 mg/softgel
DHA ....................................................................................... 65 mg/softgel
EPA ..................................................................................... 27.5 mg/softgel
Omega-3 ............................................................................... 115 mg/softgel
Omega-6 ............................................................................... 30 mg/softgel

**Other Ingredients**

Gelatin, glycerine, water, dimagnesium malate, and beeswax.

**Content Product No. Servings per Container**

60 softgels . A3030 .......... 60 based on 1 softgel per serving

How to Administer

Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

1-10 lbs ........................................ 1 softgel every other day
11-50 lbs ......................................... 1 softgel 1x/day
51-100 lbs ...................................... 2 softgels 1x/day
>100 lbs ......................................... 3 softgels 1x/day

Please consult the product packaging label for the most accurate product information.
Canine Hepatic Support

The liver is a complex organ that interacts with most organs in the body, including the intestinal tract, cardiovascular system, kidneys, and autonomic nervous system. Nutritional support for the liver must address these interactions to be effective.

**Canine Hepatic Support** is formulated to support:
- Liver metabolism
- Hepatic circulation
- Bile production and flow
- Hepatic immune function*

**Indications for Use**
- General hepatic support
- Patients with increased metabolic demand

**Adjunctive Products**
- Canine Renal Support
- Canine Enteric Support

**Supplement Facts**
Stated amounts depend on dose.

**Ingredients**
Bovine liver PMG™ extract, bovine kidney, porcine duodenum, porcine stomach, veal bone PMG™ extract, porcine jejunum, wheat (germ) oil, defatted wheat (germ), organic dried alfalfa (aerial parts) juice, bovine heart PMG™ extract, bovine liver, bovine orchic extract, ribonucleic acid, bovine spleen, ovine spleen, calcium lactate, organic reishi mushroom powder, organic shiitake mushroom powder, ginkgo biloba (whole leaf), nutritional yeast, rice (bran), black currant (seed) oil, oat flour, organic dried swiss chard (beet leaf) juice, organic beet (root), dandelion (root) (*Taraxacum officinale*), milk thistle extract (80% silymarins), bovine liver fat extract (yakriton), green-lipped mussel (*Perna canaliculus*) (shellfish), calcium glycerophosphate, L-glutamine, selenium yeast, zinc rice chelate, organic Brussels sprouts (aerial parts), organic dried buckwheat (aerial parts) juice, organic buckwheat (seed), para-aminobenzoate, porcine braine, bovine pituitary PMG™ extract, Spanish moss (*Tillandsia usneoides*), betaine hydrochloride, magnesium lactate, bovine thyroid PMG™ extract (processed to substantially remove its thyroxine), chlorophyll extract, choline bitartrate, inositol, and ascorbic acid.

**Minerals**
- Calcium . . . . 2.5 mg/½ tsp.
- Magnesium . . 800 mcg/½ tsp.

**Content**
<table>
<thead>
<tr>
<th>Product No.</th>
<th>Servings per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 g</td>
<td>A1500 70 based on 1⁄8 tsp.</td>
</tr>
<tr>
<td>110 g</td>
<td>A1550 75 based on ½ tsp.</td>
</tr>
</tbody>
</table>

**How to Administer**
Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

1-10 lbs. . . . 1⁄8 tsp. once/day
11-20 lbs. . . . ½ tsp. twice/day
21-40 lbs. . . . ¾ tsp. twice/day
>80 lbs. . . . 1 tsp. twice/day

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.

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Canine Immune System Support

The immune system is a complex array of cells that are found throughout the body. Immune cells are designed to work in conjunction with other cells to provide a defense against unwanted invaders. The complexity of the immune system requires a multidimensional approach of nutritional factors. The nutritional support of the immune system is directed at facilitating normal function and is not intended to be suppressive or stimulating.

**Canine Immune System Support:**
- Provides nutritional and biochemical support for healthy immune cells and tissues
- Supports optimal immune system function*

**Indications for Use**
- General immune system support
- Colder climates or during the fall/winter months
- When kenneled or in a shelter

**Adjunctive Products**
- VF Thymex®
- Canine Hepatic Support
- Canine Enteric Support
- Canine Whole Body Support

### Supplement Facts

Stated amounts depend on dose.

**Ingredients**
Bovine liver, nutritional yeast, rice (bran), bovine spleen PMG™ extract, bovine thymus PMG™ extract, organic carrot (root), bovine kidney, bovine thymus Cytosol™ extract, bovine pancreas Cytosol™ extract, bovine spleen, ovine spleen, organic dried pea (vine) juice, eleuthero (*Eleutherococcus senticosus*), organic dried buckwheat (aerial parts) juice, organic buckwheat (seed), porcine duodenum, black currant juice, porcine jejunum, bovine adrenal Cytosol™ extract, veal bone PMG™ extract, defatted wheat (germ), oat flour, calcium lactate, purified bovine bile salts, organic Spanish black radish (root), ribonucleic acid, bovine adrenal PMG™ extract, organic reishi mushroom powder, organic shiitake mushroom powder, ashwagandha (*Withania somnifera*), Spanish moss (*Tillandsia usneoides*), zinc rice chelate, kelp, and black currant (seed) oil.

**Minerals**
- Calcium.... 2.5 mg/½ tsp.
- Sodium..... 25 mg/½ tsp.
- Magnesium .. 700 mcg/½ tsp.
- Zinc ....... 480 mcg/½ tsp.

**Content**
- Product No.
- Servings per Container

<table>
<thead>
<tr>
<th>Content</th>
<th>Product No.</th>
<th>Servings per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 g</td>
<td>A1600</td>
<td>75 based on 1/8 tsp.</td>
</tr>
<tr>
<td>110 g</td>
<td>A1650</td>
<td>75 based on 1/2 tsp.</td>
</tr>
</tbody>
</table>

**How to Administer**

Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

1-10 lbs. . . . . 1/8 tsp. once/day  
11-20 lbs. . . . . 1/8 tsp. twice/day  
21-40 lbs. . . . . ¼ tsp. twice/day  
>40 lbs. . . . . . 1 tsp. twice/day

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.

*Please consult the product packaging label for the most accurate product information.*
Canine Musculoskeletal Support

The canine musculoskeletal system has many components: bones, joints, muscles, tendons, ligaments, nerves, blood vessels, and organs that support these tissues, including the liver, kidneys, and adrenal glands.

Canine Musculoskeletal Support:
- Supports optimal musculoskeletal function
- Provides a wide range of essential nutrients
- Helps maintain optimal health and function*

Indications for Use
- General growth support
- Performance/working animals
- Senior animals

Adjunctive Products
- Canine Hepatic Support
- Canine Whole Body Support
- Canine Flex Support

Supplement Facts
Stated amounts depend on dose.

Ingredients
- Veal bone PMG™ extract, Indian frankincense (Boswellia serrata), green-lipped mussel (Perna canaliculus) (shellfish), bovine trachea, bovine heart PMG™ extract, organic dried pea (vine) juice, oat flour, black currant juice, bovine liver, bovine adrenal, eleuthero (Eleutherococcus senticosus), bovine orich Cytosol™ extract, bovine kidney, carrot (root), sunflower lecithin powder, organic beef (root), organic dried alfalfa (aerial parts) juice, porcine jejunum, porcine duodenum, wheat (germ) oil, bromelain, cellulose, manganese lactate, ribonucleic acid, defatted wheat (germ), bovine thyroid PMG™ extract (processed to substantially remove its thyroxine),calcium lactate, Spanish moss (Tillandsia usneoides), organic swiss chard (beet leaf) juice, organic beef (root), organic dried buckwheat (aerial parts) juice, organic buckwheat (seed), organic reishi mushroom powder, organic shiitake mushroom powder, calcium glycerophosphate, dicalcium phosphate, magnesium lactate, chlorophyll extract, and enzymatically processed Spanish moss (Tillandsia usneoides) and organic beef (root).

Minerals
- Sodium . . . . . 17 mg/½ tsp.
- Magnesium . . 900 mcg/½ tsp.
- Manganese . . 700 mcg/½ tsp.

Content    Product No.    Servings per Container
20 g . . . . A1700 . . . . . . 65 based on ¼ tsp.
90 g . . . . A1750 . . . . . . 78 based on ½ tsp.

How to Administer
Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

1-10 lbs . . . ¼ tsp. once/day
11-20 lbs . . . ¼ tsp. twice/day
21-40 lbs . . . ¼ tsp. twice/day
41-60 lbs . . . ½ tsp. twice/day
61-80 lbs . . . ¾ tsp. twice/day
>80 lbs . . . 1 tsp. twice/day

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.

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Canine Renal Support

For renal challenges, not only should the kidneys be supported but consideration should also be given to support of the liver, cardiovascular system, and autonomic nervous system.

**Canine Renal Support:**
- Provides support for the normal function of the kidneys
- Supports the liver, cardiovascular system, and nervous system*

### Indications for Use
- Patients in need of renal support
- Hepatic patients in need of additional renal support

### Adjunctive Products
- Canine Hepatic Support
- Canine Cardiac Support
- Canine Whole Body Support

### Supplement Facts
Stated amounts depend on dose.

#### Ingredients
Bovine kidney, kidney bean extract, buckwheat leaf juice and seed, oat flour, bovine liver, ribonucleic acid, nutritional yeast, veal bone PMG™ extract, bovine orchic Cytosol™ extract, pea vine juice, beet root, bovine and ovine spleen, alfalfa juice, bovine kidney PMG™ extract, mushroom, rice bran, bovine thyroid PMG™ extract, carrot, wheat germ oil, black currant seed oil, black currant juice, kelp, bovine adrenal, allantoin, bovine pituitary PMG™ extract, chlorophyll extract, manganese glycerophosphate, beet leaf juice, and extract of *Rhizopus oryzae* grown on *Tillandsia usneoides* and beet root.

#### Minerals
- Sodium . . . . . 60 mg/½ tsp.
- Chloride . . . . 10 mg/½ tsp.

<table>
<thead>
<tr>
<th>Content</th>
<th>Product No.</th>
<th>Servings per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 g</td>
<td>A1800</td>
<td>70 based on ½ tsp.</td>
</tr>
<tr>
<td>110 g</td>
<td>A1850</td>
<td>75 based on ½ tsp.</td>
</tr>
</tbody>
</table>

### How to Administer
Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

- 1-10 lbs. . . . ½ tsp. once/day
- 11-20 lbs. . . . ½ tsp. twice/day
- 21-40 lbs. . . ¾ tsp. twice/day
- 41-60 lbs. . . . ¾ tsp. twice/day
- 61-80 lbs. . . . ¾ tsp. twice/day
- >80 lbs. . . . 1 tsp. twice/day

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.

Please consult the product packaging label for the most accurate product information.
Canine Thyroid Support

The endocrine system has an interesting web of interactions with different organs in the body, and the thyroid gland plays a major role.

**Canine Thyroid Support:**
- Provides critical trace mineral support for the thyroid gland
- Supports glands and tissues that interact with the thyroid, including the adrenals and liver
- Supports all aspects of thyroid function*

**Indications for Use**
- General thyroid support
- Patients with increased metabolic demand

**Adjunctive Products**
- Canine Whole Body Support
- Canine Hepatic Support

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**Supplement Facts**
Stated amounts depend on dose.

**Ingredients**
*Eleutherococcus senticosus*, bovine liver, bovine orichic extract, bovine adrenal, bovine thyroid PMG™ extract (processed to substantially remove its thyroxine), *Tillandsia usneoides*, mushroom, buckwheat leaf juice and seed, calcium lactate, *Perna canaliculus*, bovine adrenal PMG™ extract, sunflower lecithin, porcine ovary PMG™ extract, kelp, wheat germ oil, rice bran, bone meal, pea vine juice, defatted wheat germ, alfalfa juice, bovine heart PMG™ extract, porcine duodenum, para-aminobenzoate, oat flour, ribonucleic acid, porcine brain, calcium glycerophosphate, and ascorbic acid.

**Minerals**
- Calcium: 8 mg/½ tsp.
- Phosphorus: 5 mg/½ tsp.
- Sodium: 25 mg/½ tsp.

**Content**
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<tr>
<th>25 g</th>
<th>Product No. A1900</th>
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<tbody>
<tr>
<td>65</td>
<td>. . . . . . . . .</td>
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<table>
<thead>
<tr>
<th>100 g</th>
<th>Product No. A1950</th>
<th>Servings per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>. . . . . . . . .</td>
<td>80 based on ½ tsp.</td>
</tr>
</tbody>
</table>

**How to Administer**
Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

1-10 lbs. . . . . ½ tsp. once/day
11-20 lbs. . . . . ¼ tsp. twice/day
21-40 lbs. . . . . ¼ tsp. twice/day
> 40 lbs. . . . . 1 tsp. twice/day

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
Canine Whole Body Support

Supplements made from whole foods, organ and tissue extracts, botanicals, and other ingredients can fill nutrition gaps.*

**Canine Whole Body Support:**
- Provides general multisystem support for daily maintenance of all body systems, with emphasis on a healthy endocrine system
- Is an excellent nutritional foundation for use with all other system-support formulas*

**Indications for Use**
- Daily supplement for any patient
- Growing animals
- Performance/working animals
- Endocrine system support
- Senior animals

**Adjunctive Products**
- Canine Hepatic Support
- Canine Immune System Support
- Canine Renal Support
- Canine Cardiac Support
- Canine Enteric Support

**Supplement Facts**
Stated amounts depend on dose.

**Ingredients**
Defatted wheat (germ), bovine liver, organic dried pea (vine) juice, nutritional yeast, carrot (root), rice (bran), organic dried alfalfa (aerial parts) juice, milk thistle extract (80% silymarins), organic beet (root), porcine stomach, oat flour, bovine hear PMG™ extract, Spanish moss (*Tillandsia usneoides*), L-carnitine, organic Brussels sprouts, (aerial parts), bovine orchic Cytosol™ extract, bovine spleen, ovine spleen, organic dried kidney bean (aerial parts) juice, kelp, bovine liver PMG™ extract, bovine bone, bovine trachea, bovine kidney PMG™ extract, bovine kidney, inositol, choline bitartrate, thiamine hydrochloride, bovine adrenal Cytosol™ extract, organic celery (aerial parts), bovine liver fat extract (yakriton), veal bone PMG™ extract, organic shiitake mushroom powder, organic reishi mushroom powder, bovine adrenal PMG™ extract, calcium lactate, manganese glycerophosphate, carbamide, porcine hypothalamus Cytosol™ extract, bovine thymus PMG™ extract, bovine pituitary PMG™ extract, zinc rice chelate, copper rice chelate, iron rice chelate, sunflower lecithin, proline hypothalamus PMG™ extract, bovine thymus Cytosol™ extract, bovine thyroid PMG™ extract (processed to substantially remove thyroxine), para-aminobenzoate, proline brain, and ascorbic acid.

**Minerals**
- Calcium . . . . 5 mg/½ tsp.
- Sodium . . . . 14 mg/½ tsp.
- Iron . . . . . . 500 mcg/½ tsp.
- Copper . . . . 200 mcg/½ tsp.
- Manganese . . 600 mcg/½ tsp.
- Zinc . . . . . . 300 mcg/½ tsp.

<table>
<thead>
<tr>
<th>Content</th>
<th>Product No.</th>
<th>Servings per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 g</td>
<td>A2000</td>
<td>65 based on ½ tsp.</td>
</tr>
<tr>
<td>100 g</td>
<td>A2050</td>
<td>70 based on ½ tsp.</td>
</tr>
</tbody>
</table>

**How to Administer**
Based on body weight, the canine patient should receive the formula according to the following recommendations, or as otherwise directed.

- 1-10 lbs. . . . . ½ tsp. once/day
- 11-20 lbs. . . . . ¾ tsp. twice/day
- 21-40 lbs. . . . . 1 tsp. twice/day
- 41-60 lbs. . . . . ½ tsp. twice/day
- 61-80 lbs. . . . . ¾ tsp. twice/day
- >80 lbs. . . . . 1 tsp. twice/day

The powder can be mixed with or poured over the dog’s food, mixed with water and administered by oral syringe, or made into a paste and given directly.

Please consult the product packaging label for the most accurate product information.
PUP CLUB
Starter Packs
INTRODUCE YOUR PUP PARENTS TO A LIFETIME OF HIGH QUALITY SUPPLEMENTS.

During this critical time of a puppy’s growth and development, you can celebrate lifelong wellness by helping build a nutritional foundation that includes whole food-based supplements that work at the cellular level to maintain optimal health.

With the Pup Club Starter Pack, you can help pup owners understand how easy an everyday nutrition routine can be, and foster a lifelong relationship with pup parents at your practice.

Regardless of your clinic size, this program also provides an additional revenue stream opportunity.

These packs are designed to make it easy for pup parents to incorporate nutritional supplements made from whole foods and other ingredients into an everyday feeding routine. Each pack comes with two products (based on your recommendation), a pet parent brochure, and a collapsible bowl.
WHOLE BODY SUPPORT AND IMMUNE SYSTEM SUPPORT

CANINE WHOLE BODY SUPPORT
• Made from whole foods, organ and tissue extracts, botanicals, and other ingredients that may help fill nutrition gaps
• Provides general multisystem support for daily maintenance of all body systems, with emphasis on a healthy endocrine system
• An excellent nutritional foundation for use with all other system-support formulas*

See page 40 for additional product information.

CANINE IMMUNE SYSTEM SUPPORT
• Provides nutritional and biochemical support for healthy immune cells and tissues
• Supports optimal immune system function*

See page 36 for additional product information.

Each pack includes a bottle of each product, a pet parent brochure and a collapsible bowl.

A60100 – Small Pup Club Starter Pack
A60150 – Large Pup Club Starter Pack

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
WHOLE BODY SUPPORT AND ENTERIC SUPPORT

CANINE WHOLE BODY SUPPORT
• Made from whole foods, organ and tissue extracts, botanicals, and other ingredients that may help fill nutrition gaps
• Provides general multisystem support for daily maintenance of all body systems, with emphasis on a healthy endocrine system
• An excellent nutritional foundation for use with all other system-support formulas*

See page 40 for additional product information.

CANINE ENTERIC SUPPORT
• Provides general digestive system support with a variety of functional foods, both plant and animal, that “feed” the various components of the digestive system
• Supports the ability of intestinal cells to function, regenerate, and respond to daily metabolic and immune challenges*

See page 32 for additional product information.

Each pack includes a bottle of each product, a pet parent brochure and a collapsible bowl.

A60200 – Small Pup Club Starter Pack
A60250 – Large Pup Club Starter Pack

Please consult the product packaging label for the most accurate product information.
IMMUNE SYSTEM SUPPORT AND ENTERIC SUPPORT

CANINE IMMUNE SYSTEM SUPPORT
• Provides nutritional and biochemical support for healthy immune cells and tissues
• Supports optimal immune system function*

See page 36 for additional product information.

CANINE ENTERIC SUPPORT
• Provides general digestive system support with a variety of functional foods, both plant and animal, that “feed” the various components of the digestive system
• Supports the ability of intestinal cells to function, regenerate, and respond to daily metabolic and immune challenges*

See page 32 for additional product information.

Each pack includes a bottle of each product, a pet parent brochure and a collapsible bowl.

A60300  - Small Pup Club Starter Pack
A60350  - Large Pup Club Starter Pack

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
Since cats are obligate carnivores, the feline formulas contain fewer ingredients than the canine formulas and focus more on animal tissues. These ingredient combinations provide a wide range of nutrients to support multiple organs. The feline formulas are in tablet form to allow for several administration options.*
Feline Cardiac Support

The heart is at the center of the cardiovascular system, which is a complex, coordinated group of organs and tissues. Nutritional support for the cardiovascular system also includes the organs that support the heart, such as the liver, kidneys, and digestive system.

**Feline Cardiac Support:**
- Provides nutrients that support optimal cardiac function
- Supports normal function of muscle cells*

**Indications for Use**
- General cardiac support
- Patients with increased cardiac demand or conditions that increase cardiac workload

**Adjunctive Products**
- Feline Renal Support
- Feline Hepatic Support
- Feline Whole Body Support

**Supplement Facts**
Stated amounts depend on dose.

**Ingredients**
Bovine heart PMG™ extract, bovine orchic Cytosol™ extract, bovine adrenal, bovine liver, Spanish moss (*Tillandsia usneoides*), organic dried alfalfa (aerial parts) juice, L-carnitine, bovine kidney, bovine spleen, ovine spleen, amla extract, rice (bran), organic buckwheat (aerial parts) juice, organic buckwheat (seed), oat flour, nutritional yeast, hawthorn (berry), ribonucleic acid, kelp, bovine adrenal Cytosol™ extract, wheat (germ) oil, organic dried pea (vine) juice, and bone meal.

**Other Ingredients**
Honey and calcium stearate as tableting aids.

**Minerals**

<table>
<thead>
<tr>
<th>Mineral</th>
<th>Content per Tablet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium</td>
<td>1 mg/tablet</td>
</tr>
<tr>
<td>Potassium</td>
<td>5 mg/tablet</td>
</tr>
<tr>
<td>Sodium</td>
<td>3 mg/tablet</td>
</tr>
<tr>
<td>Manganese</td>
<td>3.5 mcg/tablet</td>
</tr>
</tbody>
</table>


**How to Administer**
The feline patient should receive one tablet two times per day, or as directed. Feline formulas can be administered in a variety of ways, including:

- Whole tablet or crushed
- Dosed directly or mixed with food
- Cautiously, as a powder suspended in water given by oral syringe

To familiarize the cat with the supplement, it may be helpful to place one tablet beside the food bowl for two or three days prior to mixing the tablet with the food.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
Feline Enteric Support

A healthy digestive tract is critical to overall health and well-being. In addition to affecting breakdown and absorption of nutrients, the digestive health of an animal can also have a significant impact on other body systems (immune system, liver, bone marrow, or adrenal glands).

**Feline Enteric Support** contains a variety of functional foods, both plant and animal, that “feed” the various components of the digestive system to:

- Provide general digestive system support
- Support the ability of intestinal cells to function, regenerate, and respond to daily metabolic and immune challenges*

### Indications for Use

- General enteric support
- Patients with increased metabolic demand
- Hepatic patients in need of additional enteric support

### Adjunctive Products

- Feline Immune System Support
- Feline Hepatic Support
- Feline Whole Body Support

### Supplement Facts

Stated amounts depend on dose.

**Ingredients**

Porcine jejunum, bovine liver, porcine stomach, L-glutamine, porcine duodenum, bovine spleen, ovine spleen, defatted wheat (germ), rice (bran), nutritional yeast, bovine kidney, organic dried alfalfa (aerial parts) juice, green-lipped mussel (*Perna canaliculata*) (shellfish), veal bone PMG™ extract, and chlorophyll extract.

**Other Ingredients**

Honey and calcium stearate as tableting aids.

**Minerals**

Manganese . . . 3.5 mcg/tablet

**Content**

90 tablets . . . A5105

### How to Administer

The feline patient should receive one tablet two times per day, or as directed. Feline formulas can be administered in a variety of ways, including:

- Whole tablet or crushed
- Dosed directly or mixed with food
- Cautiously, as a powder suspended in water given by oral syringe

To familiarize the cat with the supplement, it may be helpful to place one tablet beside the food bowl for two or three days prior to mixing the tablet with the food.

Please consult the product packaging label for the most accurate product information.
Feline Hepatic Support

The liver is a complex organ that interacts with most organs in the body, including the intestinal tract, cardiovascular system, kidneys, and autonomic nervous system. Nutritional support for the liver must address these interactions to be effective.

**Feline Hepatic Support** is formulated to support:
- Liver metabolism
- Hepatic circulation, bile production and flow
- Hepatic immune function*

### Indications for Use
- General hepatic support
- Patients with increased metabolic demand

### Adjunctive Products
- Feline Renal Support
- Feline Enteric Support
- Feline Whole Body Support

### Supplement Facts
Stated amounts depend on dose.

**Ingredients**
Bovine liver PMG™ extract, bovine liver, bovine and ovine spleen, bovine kidney, L-glutamine, *Emblica officinalis*, porcine stomach, bone meal, pea vine juice, porcine duodenum, buckwheat leaf juice and seed, *Perna canaliculus*, oat flour, bovine kidney PMG™ extract, defatted wheat germ, nutritional yeast, bovine liver fat extract, bovine adrenal, *Silybum marianum*, beet leaf juice, beet root, inositol, choline bitartrate, alfalfa juice, rice bran, copper rice chelate, zinc rice chelate, iron rice chelate, and extract of *Rhizopus oryzae* grown on *Tillandsia usneoides* and beet root.

**Other Ingredients**
Honey and calcium stearate as tableting aids.

**Minerals**
- Sodium . . . . . . 7 mg/tablet
- Chloride . . . . 7 mg/tablet
- Copper . . . . . . 15 mcg/tablet
- Zinc . . . . . . . . 21 mcg/tablet
- Iron . . . . . . . . 150 mcg/tablet

**Content**
- 90 tablets . . . A5205

### How to Administer
The feline patient should receive one tablet two times per day, or as directed. Feline formulas can be administered in a variety of ways, including:
- Whole tablet or crushed
- Dosed directly or mixed with food
- Cautiously, as a powder suspended in water given by oral syringe

To familiarize the cat with the supplement, it may be helpful to place one tablet beside the food bowl for two or three days prior to mixing the tablet with the food.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.*
Feline Immune System Support

The immune system is a complex array of cells that are found throughout the body. Immune cells are designed to work in conjunction with each other to provide a defense against unwanted invaders. The complexity of the immune system requires a multidimensional approach to nutritional factors. Nutritional support of the immune system is directed at facilitating normal function and is not intended to be suppressive or stimulating.

Feline Immune System Support:
- Provides nutritional and biochemical support for healthy immune cells and tissues
- Supports optimal immune system function*

Indications for Use
- General immune system support
- Colder climates or during the fall/winter months
- When kenneled or in a shelter

Adju nctive Products
- VF Thymex®
- Feline Whole Body Support
- Feline Enteric Support

Supplement Facts
Stated amounts depend on dose.

Ingredients
Eleutherococcus senticosus, bovine liver, L-glutamine, porcine jejunum, bovine orchic Cytosol™ extract, Emblica officinalis, ribonucleic acid, bovine and ovine spleen, bovine spleen PMG™ extract, bovine thymus Cytosol™ extract, bovine pituitary PMG™ extract, bovine adrenal Cytosol™ extract, buckwheat leaf juice and seed, pea vine juice, bovine hypothalamus Cytosol™ extract, oat flour, bovine kidney, bovine thyroid PMG™ extract, alfalfa juice, copper rice chelate, iron rice chelate, zinc rice chelate, kelp, and bovine pancreas PMG™ extract.

Other Ingredients
Honey and calcium stearate as tableting aids.

Minerals
Potassium . . . . 3.5 mg/tablet  Copper . . . . . . 20 mcg/tablet
Iron . . . . . . . . . . 140 mcg/tablet Zinc . . . . . . . . . . 70 mcg/tablet

Content  Product No.
90 tablets . . . A5305

How to Administer
The feline patient should receive one tablet two times per day, or as directed. Feline formulas can be administered in a variety of ways, including:
- Whole tablet or crushed
- Dosed directly or mixed with food
- Cautiously, as a powder suspended in water given by oral syringe

To familiarize the cat with the supplement, it may be helpful to place one tablet beside the food bowl for two or three days prior to mixing the tablet with the food.

Please consult the product packaging label for the most accurate product information.
Feline Renal Support

For renal challenges, not only should the kidneys be supported but consideration should also be given to support of the liver, cardiovascular system, and autonomic nervous system.

Feline Renal Support:
- Facilitates support and natural rehabilitation of the kidneys
- Provides balanced cellular nutrition for all aspects of urinary system function*

Indications for Use
- Patients in need of renal support
- Hepatic patients in need of additional renal support

Adjuvant Products
- Feline Hepatic Support
- Feline Cardiac Support
- Feline Whole Body Support

Supplement Facts
Stated amounts depend on dose.

Ingredients
Bovine kidney PMG™ extract, bovine kidney, bovine liver, veal bone
PMG™ extract, bone meal, defatted wheat germ, bovine and ovine spleen,
buckwheat leaf juice and seed, Emblica officinalis, oat flour, pea vine juice,
bovine adrenal Cytosol™ extract, ribonucleic acid, alfalfa juice, bovine heart
PMG™ extract, kidney bean extract, Perna canaliculus, Tillandsia usneoides,
rice bran, porcine duodenum, beet leaf juice, beet root, and extract of
Rhizopus oryzae grown on Tillandsia usneoides and beet root.

Other Ingredients
Honey and calcium stearate as tableting aids.

Minerals
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium</td>
<td>. . .</td>
<td>3.5 mg/tablet</td>
</tr>
<tr>
<td>Phosphorus</td>
<td>. . .</td>
<td>2.4 mg/tablet</td>
</tr>
<tr>
<td>Sodium</td>
<td>. . .</td>
<td>15 mg/tablet</td>
</tr>
</tbody>
</table>

Content  Product No.
90 tablets  . . . A5405

How to Administer
The feline patient should receive one tablet two times per day,
or as directed. Feline formulas can be administered in a variety of
ways, including:
- Whole tablet or crushed
- Dosed directly or mixed with food
- Cautiously, as a powder suspended in water given by oral syringe

To familiarize the cat with the supplement, it may be helpful to place
one tablet beside the food bowl for two or three days prior to mixing the
tablet with the food.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
Feline Whole Body Support

Supplements made with whole food ingredients, organ and tissue extracts, botanicals, and other ingredients can fill nutrition gaps.*

**Feline Whole Body Support:**

- Provides general multisystem support for daily maintenance of all body systems with emphasis on a healthy endocrine system
- Is an excellent nutritional foundation for use with all other system-support formulas*

### Indications for Use

- Daily supplement for any patient
- Growing animals
- Active animals
- Endocrine system support
- Senior animals

### Adjuvative Products

- Feline Hepatic Support
- Feline Enteric Support
- Feline Renal Support
- Feline Cardiac Support
- Feline Immune Support

### Supplement Facts

Stated amounts depend on dose.

**Ingredients**

Bovine liver, organic dried alfalfa (aerial parts) juice, bovine liver PMG™ extract, bovine trachea, bovine bone, bovine heart PMG™ extract, bovine spleen, ovine spleen, L-glutamine, amla extract, rice (bran), porcine jejunum, bovine kidney PMG™ extract, bovine kidney, oat flour, bovine adrenal Cytosol™ extract, nutritional yeast, organic dried pea (vine) juice, organic dried buckwheat (aerial parts) juice, organic buckwheat (seed), bovine orchic Cytosol™ extract, chromium yeast, green-lipped mussel (*Perna canaliculus*) (shellfish), organic dried swiss chard (beet leaf) juice, organic beet (root), zinc rice chelate, L-carnitine, organic dried kidney bean (aerial parts) juice, defatted wheat (germ), inositol, choline bitartrate, enzymatically processed Spanish moss (*Tillandsia usneoides*), and beet (root).

**Other Ingredients**

Honey and calcium stearate as tableting aids.

**Minerals**

<table>
<thead>
<tr>
<th></th>
<th>Stated Amounts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>5 mg/tablet</td>
</tr>
<tr>
<td>Zinc</td>
<td>180 mcg/tablet</td>
</tr>
<tr>
<td>Chromium</td>
<td>5 mcg/tablet</td>
</tr>
</tbody>
</table>

**Content**

| 90 tablets | A5505 |

**How to Administer**

The feline patient should receive one tablet two times per day, or as directed. Feline formulas can be administered in a variety of ways, including:

- Whole tablet or crushed
- Dosed directly or mixed with food
- Cautiously, as a powder suspended in water given by oral syringe

To familiarize the cat with the supplement, it may be helpful to place one tablet beside the food bowl for two or three days prior to mixing the tablet with the food.

*Please consult the product packaging label for the most accurate product information.*
Equine Formulas

The equine formulas contain ingredients such as vegetables, herbs, and fruits to deliver a full spectrum of phytonutrients, enzymes, minerals, and vitamins in their most potent form. Safe and effective, these formulas were developed to target the nutritional demands of specific systems. The equine formulas are in powder form and do not contain any animal tissues. Each formula can be used for either short- or long-term support.*
Equine GI Support

The equine gastrointestinal (GI) tract is an extensive set of organs that must efficiently function together to support adequate nutrition for the horse to maintain a cooperative working attitude and pleasant disposition. Horses experiencing a challenge to the GI tract may or may not display a perceivable change in behavior, eating patterns, or performance.

**Equine GI Support** contains a variety of whole food and other ingredients that may support:
- Liver and GI tract detoxification pathways
- Lining of the intestinal wall
- Healthy bacterial populations in the hindgut
- Oxidation processes*

**Indications for Use**
- Horses in training
- Horses with limited access to pasture
- Horses experiencing a change in routine
- Horses that travel
- Horses with limited turnout

**Key Ingredients**
Brussel sprouts, kale, chamomile†, inulin, L-glutamine, and vitamin E

†This ingredient could be considered a controlled substance by certain entities that govern equine competitions. We advise those who feed any supplement to competing horses to check with the governing body specific to the event regarding whether the product contains ingredients that could be considered a controlled substance.

**Feeding Tips**
- Start slowly by mixing a small amount of powder into the feed.
- Add the powder to the feed and dampen with water. (Spray bottles can be helpful.) Shake the container to mix the powder with the feed. This will also prevent the powder from settling in the bottom of the feeding container.
- Mix with unsweetened applesauce and add to the horse’s feed or syringe directly into the horse’s mouth.
- Add to a mash made of commonly found low-starch pelleted feeds or soaked hay cubes.

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**Supplement Facts**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>E7700</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Content</strong></td>
<td>30 ounces (850 g)</td>
</tr>
<tr>
<td><strong>Serving Size</strong></td>
<td>¼ cup (30 g)</td>
</tr>
<tr>
<td><strong>Servings per Container</strong></td>
<td>28</td>
</tr>
</tbody>
</table>

**Ingredients**
Whey (milk protein) powder, flax meal, L-glutamine, inulin, rice protein powder, Brussels sprouts (whole plant), kale (whole plant), calcium citrate, magnesium citrate, buckwheat (leaf), chamomile extract, choline bitartrate, inositol, alfalfa (whole plant) juice powder, d-alpha tocopherol (vitamin E sunflower), sunflower lecithin powder, grape (seed) extract, carrot (root) powder, and red wine extract.

**Suggested Use**
¼ cup (30 g)/1,000 lb. horse/day, or as directed.

**Warnings**
For equine use only. Keep all supplements out of the reach of children and other animals. In case of accidental overdose, contact a health care professional immediately.

**Precautions**
Safe use in pregnant animals or animals for breeding has not been proven.

Please consult the product packaging label for the most accurate product information.
Equine Immune Support

Training, competition, travel, environmental factors, and lack of turnout combined with age, diet, and stress level may present challenges to the immune system in any season. Some horses may react to those challenges by exhibiting subtle or not-so-subtle changes in behavior, depending on the temperament, personality, and/or management of the animal.

Equine Immune Support encourages and supports the innate and adaptive immune response that is necessary for the health, performance, and stamina of the horse. The formula includes an array of ingredients derived from functional foods that may support:*  
- Immune-cell signaling
- Antioxidant activities
- Cell integrity*

**Indications for Use**
- Horses with limited turnout  
- Horses under bouts of stress  
- Horses enduring environmental changes  
- Traveling horses  
- Horses experiencing a change in routine

**Key Ingredients**
L-glutamine, turmeric, mushrooms, vitamin A palmitate, vitamin D, and yeast cultures† (Saccharomyces boulardii)

†This ingredient could be considered a controlled substance by certain entities that govern equine competitions. We advise those who feed any supplement to competing horses to check with the governing body specific to the event regarding whether the product contains ingredients that could be considered a controlled substance.

**Feeding Tips**
- Start slowly by mixing a small amount of powder into the feed.  
- Add the powder to the feed and dampen with water. (Spray bottles can be helpful.) Shake the container to mix the powder with the feed. This will also prevent the powder from settling in the bottom of the feeding container.  
- Mix with unsweetened applesauce and add to the horse’s feed or syringe directly into the horse’s mouth.  
- Add to a mash made of commonly found low-starch pelleted feeds or soaked hay cubes.

**Supplement Facts**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>E7800</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Content</strong></td>
<td>30 ounces (850 g)</td>
</tr>
<tr>
<td><strong>Serving Size</strong></td>
<td>¼ cup (30 g)</td>
</tr>
<tr>
<td><strong>Servings per Container</strong></td>
<td>28</td>
</tr>
</tbody>
</table>

**Ingredients**
Whey protein (milk), turmeric (root) powder, organic flax meal, L-glutamine, rice protein, yeast culture, turmeric (root) extract, organic turkey tail mushroom powder, organic shiitake mushroom powder, organic reishi mushroom powder, calcium citrate, magnesium citrate, organic buckwheat (aerial parts), organic kale (aerial parts), organic Brussels sprouts (aerial parts), choline bitartrate, inositol, organic dried alfalfa (aerial parts) juice, dried yeast fermentate (EpiCor®), sunflower lecithin powder, cholecalciferol, sucrose, grape (seed) extract, starch, carrot (root), vitamin A palmitate, and red wine extract.

**Suggested Use**
¼ cup (30 g)/1,000 lb. horse/day, or as directed.

**Warnings**
For equine use only. Keep all supplements out of the reach of children and other animals. In case of accidental overdose, contact a health care professional immediately.

**Precautions**
Safe use in pregnant animals or animals for breeding has not been proven.
Equine Metabolic Support

The realities of modern equine management may result in challenges to the metabolic processes of the horse. Identifying early signs of these challenges and responding with management suggestions and nutritional support is critical for the overall health of the horse.

**Equine Metabolic Support** includes a variety of whole food and other ingredients that may promote healthy metabolic processes of the horse by:

- Promoting healthy glucose metabolism
- Supporting healthy insulin function
- Providing plant-based ingredients that may promote antioxidant activity*

**Indications for Use**

- Horses struggling with excess weight or fat deposits, especially on the rump or neck
- Horses who exhibit seasonal pasture sensitivities
- Horses struggling with changing insulin levels

**Key Ingredients**

Licorice root, cinnamon, cayenne (chili powder),† buckwheat flour, green tea extract, chromium, and vanadium

†This ingredient could be considered a controlled substance by certain entities that govern equine competitions. We advise those who feed any supplement to competing horses to check with the governing body specific to the event regarding whether the product contains ingredients that could be considered a controlled substance.

**Feeding Tips**

- Start slowly by mixing a small amount of powder into the feed.
- Add the powder to the feed and dampen with water. (Spray bottles can be helpful.) Shake the container to mix the powder with the feed. This will also prevent the powder from settling in the bottom of the feeding container.
- Mix with unsweetened applesauce and add to the horse’s feed or syringe directly into the horse’s mouth.
- Add to a mash made of commonly found low-starch pelleted feeds or soaked hay cubes.

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**Supplement Facts**

**Product Number**

E7900

**Content**

40 ounces (1,134 g)

**Serving Size**

¼ cup (37 g)

**Servings per Container**

30

**Ingredients**

Buckwheat flour, carrot powder, cinnamon, licorice (root), green tea extract, cayenne, chromium yeast, and vanadium chelate (rice and soy).

**Suggested Use**

¼ cup (37 g)/1,000 lb. horse/day, or as directed.

**Warnings**

For equine use only. Do not administer to cattle or other ruminants. Keep all supplements out of the reach of children and other animals. In case of accidental overdose, contact a health care professional immediately.

**Precautions**

Safe use in pregnant animals or animals for breeding has not been proven.
Equine Mobility Support

Equine joints inevitably suffer stress during daily riding, training, and competing and are expected to deteriorate as a result of the natural aging process. Horses are the longest-lived domesticated animal, with a potential life span of 40 years. Friction and load-bearing stress on a horse’s joints over time may affect comfort and performance, sometimes even before the signs are apparent.

**Equine Mobility Support** is a unique blend of whole foods and other ingredients that may help both the performance and retired horse by:

- Promoting healthy joint function, flexibility, and mobility
- Supplying antioxidants
- Supporting a healthy inflammatory response*

**Indications for Use**

- Horses in regular training
- Horses on rest due to a mobility challenge
- Geriatric or retired horses

**Key Ingredients**

Glucosamine sulfate, chondroitin sulfate, wheat germ oil, flax meal, ginger†

† This ingredient could be considered a controlled substance by certain entities that govern equine competitions. We advise those who feed any supplement to competing horses to check with the governing body specific to the event regarding whether the product contains ingredients that could be considered a controlled substance.

**Feeding Tips**

- Start slowly by mixing a small amount of powder into the feed.
- Add the powder to the feed and dampen with water. (Spray bottles can be helpful.) Shake the container to mix the powder with the feed. This will also prevent the powder from settling in the bottom of the feeding container.
- Mix with unsweetened applesauce and add to the horse’s feed or syringe directly into the horse’s mouth.
- Add to a mash made of commonly found low-starch pelleted feeds or soaked hay cubes.

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Equine Performance

Horses that train rigorously, travel, or compete may experience an inflammatory response, exercise-related muscle soreness, and oxidative stress. Diet, level and amount of exercise, age, and the nature of a training program are all factors that may play a role in maintaining a balance between oxidative stress and antioxidant status in the performance horse. Oxidative stress may be the result of decreased antioxidant activity, increased amounts of reactive oxygen species, or both. Horses in training may experience a physiological challenge and as a result will attempt to regain homeostasis through coordination of multiple organ systems. It is possible that dietary antioxidants may help the horse cope with rigorous athletic demands.

Equine Performance is a unique blend of whole foods and other ingredients that may help horses in training, traveling, or competition by:

◆ Providing important energy and immune response substrates
◆ Supporting energy pathways
◆ Offering antioxidant support
◆ Providing ingredients that may support recovery from strenuous activity*

Indications for Use

◆ Horses preparing for, participating in, or recovering from competition
◆ Horses preparing for, participating in, or recovering from travel
◆ Horses in demanding or rigorous training programs

Key Ingredients

Glutamate, L-glutamine, selenium yeast (contains 550 micrograms organically bound selenium), ribonucleic acid, tart cherry

Feeding Tips

◆ Start slowly by mixing a small amount of powder into the feed.
◆ Add the powder to the feed and dampen with water.
   (Spray bottles can be helpful) Shake the container to mix the powder with the feed. This will also prevent the powder from settling in the bottom of the feeding container.
◆ Mix with unsweetened applesauce and add to the horse’s feed or syringe directly into the horse’s mouth.
◆ Add to a mash made of commonly found low-starch pelleted feeds or soaked hay cubes.

Supplement Facts

Product Number
E8100

Content
30 ounces (850 g)

Serving Size
¼ cup (30 g)

Servings per Container
28

Ingredients
Whey (milk) protein powder, flax meal, L-glutamine, glutamic acid, nutritional yeast, rice protein powder, tart cherry powder, ribonucleic acid, calcium citrate, magnesium citrate, selenium yeast (550 mcg selenium), buckwheat (leaf), Brussels sprouts (whole plant), kale (whole plant), choline bitartrate, inositol, alfalfa (whole plant) juice powder, sunflower lecithin powder, grape (seed) extract, carrot (root) powder, and red wine extract.

Suggested Use
¼ cup (30 g)/1,000 lb. horse/day, or as directed.

Warnings
For equine use only. Keep all supplements out of the reach of children and other animals. In case of accidental overdose, contact a health care professional immediately.

Precautions
Safe use in pregnant animals or animals for breeding has not been proven.

Key Ingredient Cross-Reference

Use this quick reference to find the products that contain specific ingredients as one of their primary ingredients. Please reference the individual product description to see all of the ingredients in a certain product.

Adrenal
Canine Adrenal Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Thyroid Support, Feline Cardiac Support, Feline Hepatic Support

Adrenal Cytosol™ Extract
Canine Adrenal Support, Canine Dermal Support, Canine Immune System Support, Canine Whole Body Support, Feline Cardiac Support, Feline Immune System Support, Feline Renal Support, Feline Whole Body Support

Adrenal PMG™ Extract
Canine Adrenal Support, Canine Dermal Support, Canine Enteric Support, Canine Immune System Support, Canine Thyroid Support, Canine Whole Body Support

Alfalfa Juice
Canine Adrenal Support, Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Whole Body Support, Feline Cardiac Support, Feline Enteric Support, Feline Hepatic Support, Feline Immune System Support, Feline Renal Support, Feline Whole Body Support

Allantoin
Canine Adrenal Support, Canine Enteric Support, Canine Hepatic Support, Canine Renal Support, Feline Enteric Support, Feline Whole Body Support

Antronex® Base
Canine Dermal Support, Canine Hepatic Support, Canine Whole Body Support, Feline Hepatic Support

Arginex® Base (Extract of Rhizopus oryzae Grown on Tillandsia usneoides and Beet Root)
Canine Musculoskeletal Support, Canine Renal Support, Feline Hepatic Support, Feline Renal Support, Feline Whole Body Support

Beet Leaf Juice
Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Musculoskeletal Support, Canine Renal Support, Feline Hepatic Support, Feline Renal Support, Feline Whole Body Support

Beet Root
Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Whole Body Support, Feline Hepatic Support, Feline Renal Support, Feline Whole Body Support

Black Currant Juice
Canine Adrenal Support, Canine Dermal Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Renal Support

Black Currant Seed Oil
Canine Hepatic Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Renal Support

Bone Meal
Canine Dermal Support, Canine Thyroid Support, Canine Whole Body Support, Feline Cardiac Support, Feline Hepatic Support, Feline Renal Support, Feline Whole Body Support

Boswellia serrata (Boswellia)
Canine Musculoskeletal Support

Bovine Bile Salts
Canine Dermal Support, Canine Enteric Support, Canine Immune System Support

Brussels Sprouts
Equine GI Support, Equine Performance, Equine Immune Support

Buckwheat

Calcium Glycerophosphate
Canine Enteric Support, Canine Hepatic Support, Canine Musculoskeletal Support, Canine Thyroid Support

Calcium Lactate
Canine Cardiac Support, Canine Dermal Support, Canine Hepatic Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Whole Body Support, VF Antronex®, VF Thymex®

Carrot
Canine Adrenal Support, Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Whole Body Support

Cayenne
Equine Metabolic Support

Chamomile
Equine GI Support

Chlorophyll Extract
Canine Adrenal Support, Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Musculoskeletal Support, Canine Renal Support, Feline Enteric Support

Choline Bitartrate
Canine Cardiac Support, Canine Hepatic Support, Canine Whole Body Support, Feline Hepatic Support, Feline Whole Body Support

Chondroitin Sulfate
Canine Flex Support, Equine Mobility Support

Chromium
Equine Metabolic Support

Cinnamon
Equine Metabolic Support, Equine Mobility Support

Copper Rice Chelate
Canine Whole Body Support, Feline Immune System Support

Crataegus oxyacantha (Hawthorn)
Canine Cardiac Support, Feline Cardiac Support

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Duodenum
Canine Adrenal Support, Canine Enteric Support, Canine Hepatic Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Thyroid Support, Feline Enteric Support, Feline Hepatic Support, Feline Renal Support

_Eleutherococcus senticosus_ (Eleuthero)
Canine Adrenal Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Thyroid Support, Feline Immune System Support

_Emblica officinalis_ (Indian Gooseberry)
Canine Dermal Support, Feline Cardiac Support, Feline Hepatic Support, Feline Immune System Support, Feline Renal Support, Feline Whole Body Support

Flax Meal
Equine Mobility Support

Ginger
Canine Flex Support, Equine Mobility Support

Glucosamine Sulfate
Canine Flex Support, Equine Mobility Support

Glutamate
Equine Performance

Green Tea
Equine Metabolic Support

Heart PMG™ Extract
Canine Cardiac Support, Canine Hepatic Support, Canine Musculoskeletal Support, Canine Thyroid Support, Canine Whole Body Support, Feline Cardiac Support, Feline Renal Support, Feline Whole Body Support

Hypothalamus Cytosol™ Extract
Canine Whole Body Support, Feline Immune System Support

Hypothalamus PMG™ Extract
Canine Whole Body Support

Inositol
Canine Cardiac Support, Canine Dermal Support, Canine Hepatic Support, Canine Whole Body Support, Feline Hepatic Support, Feline Whole Body Support

Inulin
Equine GI Support

Iron Liver Chelate
Canine Whole Body Support, Feline Hepatic Support, Feline Immune System Support

Jejunum
Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Immune System Support, Canine Musculoskeletal Support, Feline Enteric Support, Feline Immune System Support, Feline Whole Body Support

Kale
Equine GI Support, Equine Performance, Equine Immune Support

Kelp
Canine Adrenal Support, Canine Immune System Support, Canine Renal Support, Canine Thyroid Support, Canine Whole Body Support, Feline Cardiac Support, Feline Immune System Support

Kidney

Kidney Bean Extract
Canine Renal Support, Canine Whole Body Support, Feline Renal Support, Feline Whole Body Support

Kidney PMG™ Extract
Canine Renal Support, Canine Whole Body Support, Feline Hepatic Support, Feline Renal Support, Feline Whole Body Support

L-carnitine
Canine Cardiac Support, Canine Whole Body Support, Feline Cardiac Support, Feline Whole Body Support

L-glutamine
Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Musculoskeletal Support, Canine Thyroid Support, Canine Whole Body Support, Feline Cardiac Support, Feline Enteric Support, Feline Hepatic Support, Feline Immune System Support, Feline Renal Support, Feline Whole Body Support

Licorice Root
Equine Metabolic Support

Liver
Canine Adrenal Support, Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Flex Support, Canine Hepatic Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Thyroid Support, Canine Whole Body Support, Feline Cardiac Support, Feline Enteric Support, Feline Hepatic Support, Feline Immune System Support, Feline Renal Support, Feline Whole Body Support

Liver PMG™ Extract
Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Whole Body Support, Feline Hepatic Support, Feline Whole Body Support

Manganese Glycerophosphate
Canine Adrenal Support, Canine Renal Support, Canine Whole Body Support

Mushroom
Canine Adrenal Support, Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Thyroid Support, Canine Whole Body Support, Equine Immune Support

Brussels Sprouts
Nutritional Yeast
Canine Adrenal Support, Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Immune System Support, Canine Renal Support, Canine Whole Body Support, Feline Cardiac Support, Feline Enteric Support, Feline Hepatic Support, Feline Whole Body Support

Orchic Cytosol™ Extract
Canine Musculoskeletal Support, Canine Renal Support, Canine Whole Body Support, Feline Cardiac Support, Feline Immune System Support, Feline Whole Body Support

Orchic Extract
Canine Adrenal Support, Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Thyroid Support

Pancreas Cytosol™ Extract
Canine Cardiac Support, Canine Enteric Support, Canine Immune System Support

Pea Vine Juice
Canine Adrenal Support, Canine Cardiac Support, Canine Enteric Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Thyroid Support, Canine Whole Body Support, Feline Cardiac Support, Feline Hepatic Support, Feline Whole Body Support

Perna canaliculus (Milk Thistle)
Canine Cardiac Support, Canine Hepatic Support, Canine Musculoskeletal Support, Canine Thyroid Support, Feline Enteric Support, Feline Hepatic Support, Feline Renal Support, Feline Whole Body Support

Pituitary PMG™ Extract
Canine Adrenal Support, Canine Enteric Support, Canine Hepatic Support, Canine Renal Support, Canine Whole Body Support, Feline Immune System Support

Ribonucleic Acid
Canine Cardiac Support, Canine Hepatic Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Thyroid Support, Feline Cardiac Support, Feline Immune System Support, Feline Renal Support

Rice Bran
Canine Adrenal Support, Canine Cardiac Support, Canine Enteric Support, Canine Hepatic Support, Canine Immune System Support, Canine Renal Support, Canine Thyroid Support, Canine Whole Body Support, Feline Cardiac Support, Feline Enteric Support, Feline Hepatic Support, Feline Renal Support, Feline Whole Body Support

Selenium
Equine Performance

Silybum marianum (Milk Thistle)
Canine Dermal Support, Canine Hepatic Support, Canine Whole Body Support, Feline Hepatic Support

Spleen
Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Immune System Support, Canine Renal Support, Canine Whole Body Support, Feline Cardiac Support, Feline Enteric Support, Feline Hepatic Support, Feline Immune System Support, Feline Renal Support, Feline Whole Body Support

Stomach
Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Whole Body Support, Feline Enteric Support, Feline Hepatic Support

Sunflower Lecithin
Canine Adrenal Support, Canine Musculoskeletal Support, Canine Thyroid Support, Canine Whole Body Support

Tart Cherry
Equine Performance

Thymus Cytosol™ Extract
Canine Immune System Support, Canine Whole Body Support, Feline Immune System Support

Thymus PMG™ Extract
Canine Immune System Support, Canine Whole Body Support

Thyroid PMG™ Extract
Canine Adrenal Support, Canine Hepatic Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Thyroid Support, Canine Whole Body Support, Feline Cardiac Support, Feline Renal Support

Trachea
Canine Musculoskeletal Support, Canine Whole Body Support, Feline Whole Body Support

Turmeric
Canine Flex Support, Equine Immune Support

Vanadium
Equine Metabolic Support

Veal Bone PMG™ Extract
Canine Adrenal Support, Canine Cardiac Support, Canine Enteric Support, Canine Hepatic Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Whole Body Support, Feline Enteric Support, Feline Renal Support, Feline Whole Body Support

Wheat Germ
Canine Adrenal Support, Canine Cardiac Support, Canine Dermal Support, Canine Enteric Support, Canine Hepatic Support, Canine Immune System Support, Canine Musculoskeletal Support, Canine Thyroid Support, Canine Whole Body Support, Feline Enteric Support, Feline Hepatic Support, Feline Renal Support, Feline Whole Body Support, VF Bio-Dent®

Wheat Germ Oil
Canine Adrenal Support, Canine Cardiac Support, Canine Enteric Support, Canine Hepatic Support, Canine Musculoskeletal Support, Canine Renal Support, Canine Thyroid Support, Feline Cardiac Support, Feline Enteric Support, Feline Hepatic Support

Zinc Liver Chelate
Canine Hepatic Support, Canine Immune System Support, Canine Whole Body Support, Feline Hepatic Support, Feline Immune System Support, Feline Whole Body Support

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**Glossary**

**Acid maltase**—An enzyme that breaks down carbohydrates. Breaks off individual glucose molecules from the maltose units. In combination with amylase and glucoamylase, these enzymes complete the breakdown of starch and other carbohydrates.

**Alfalfa** (*Medicago sativa*)—A perennial flowering legume.

**Alginic acid**—An organic acid from various algae species.

**Antioxidants**—Substances found in food, especially fruits and vegetables.

**Arabic gum**—A natural gum from the acacia tree; used as a colloidal stabilizer to make tablets.

**Barley**—Barley grass used in our formulas consists of the green leaves of the barley plant as opposed to the grain.

**Beet root**—The underground portion of a beet plant.

**Beet leaves**—The above-ground portion of a beet plant; also known as Swiss chard.

**Beta carotene**—The yellow pigment found in many yellow and orange fruits, such as carrots.

**Betaine**—A sweet, crystalline, guatammonium ammonium salt found in beet juice. Can be used as a lipotropic factor or a gastric acidifier.

**Biotin**—A member of the B-vitamin family that helps support energy and amino acid metabolism. Nutritional yeast, liver, kidney, whole grains, nuts, and eggs are good sources of biotin.

**Black currant seed oil**—The oil of a black currant plant. Contains gamma-linolenic acid.

**Boswellia serrata** (*boswellia*)—A moderate- to large-sized branching tree of the family Burseraceae, traditionally used to support a healthy inflammatory response.

**Bovine**—Cow.

**Bovine bile salts**—A purified source of bovine bile salts in a powdered form.

**Broccoli**—A member of the cabbage family. Broccoli is a cruciferous vegetable.

**Bromelain**—Protein-digesting and milk-clotting enzyme generally found in pineapple fruit juice and stem tissue.

**Brussels sprout**—A brassica related to broccoli and cabbage.

**Buckwheat**—A member of the Polygonaceae family. Buckwheat is related to sorrel, knotweed, and rhubarb.

**Calcium glycerophosphate**—A white crystalline powder that is soluble in cold water.

**Calcium lactate**—A source of calcium (not derived from a dairy product or source).

**Calcium stearate**—A plant-based stearic acid used for lubrication in the manufacture of products.

**Carbamide powder**—A food-grade urea.

**Carthamus tinctorius** (*safflower*)—A plant appearing to have a supportive effect on the cardiovascular system.

**Celery**—A member of the Apiaceae or Umbelliferae family. It comes in a variety of colors, from white to gold, rich red, and deep green.

**Chlorophyll extract**—A fat-soluble extract from plant material that acts to support tissue health, maintenance, and regeneration. Chlorophyll is regarded as a natural gastrointestinal (GI) tract deodorant and cleanser.

**Choline bitartrate**—A vitamin of the B complex essential to liver function.

**Chromium yeast**—An excellent source of chromium.

**Copper chelate**—Provides an excellent source of copper. Copper is an essential trace mineral that is important for a wide range of biochemical processes.

**Crataegus oxyacantha** (*hawthorn*)—A well-known heart and vascular tonic.
**Glossary**

**Cytosol™ extract**—“Cytosol™” is the trademark used by Standard Process Inc. as a brand name for extracts derived from the cytoplasm of the cell. They contain “materials” such as enzymes, hormone precursors, and synergistic cofactors produced by the cell. These materials serve as the building blocks for cellular metabolic end products that are utilized by the cell itself or transported outside the cell.

**Defatted wheat germ**—Wheat germ is noted for its dense nutritional content of the vitamin B complex and many important trace minerals essential for the full physiological activity of the associated vitamin complexes.

**Dicalcium phosphate**—A calcium compound used in calcium therapy.

**Eleutherococcus senticosus** (eleuthero)—Several species of this plant grow around the world, and though some are preferred for specific benefits, all are considered to have similar properties as an effective general rejuvenator.

**Emblica officinalis** (Indian gooseberry)—An herb that has traditionally been used for the purposes of enhancing general vitality and cognition as well as promoting longevity.

**Flax meal**—Contains significant levels of omega-3 fatty acids, specifically alpha-linoleic acid (ALA).

**Ginger**—A thickened pungent aromatic rhizome that contains a broad spectrum of bioactive compounds.

**Ginkgo biloba**—Made from leaves and seeds of the ginkgo tree. Ginkgo biloba has a long history of use in traditional Chinese medicine.

**Glucosamine sulfate**—A naturally occurring chemical harvested from the shells of shellfish.

**Inositol**—A component of the B-vitamin complex. Inositol acts as an important catalyst in energy reactions that involve the metabolizing of some fats and carbohydrates.

**Inulin**—A complex carbohydrate and soluble fiber. It is beneficial to the gut microflora and supports calcium and magnesium absorption. Inulin is found naturally in many common plants, especially chicory.

**Iron chelate**—Provides an excellent source of iron. Iron is an important nutrient essential for a wide range of vital biological processes, including the synthesis of hemoglobin, and is also involved in the entire process of respiration, including oxygen and electron transport.

**Kale**—A green leafy cruciferous plant that belongs to the *Brassica* genus, which includes cabbage, collards, and Brussels sprouts.

**Kelp**—Brown seaweed of the genus *Laminaria* that is a good source of trace minerals.

**Kidney bean** (*Phaseolus vulgaris*)—An annual legume.

**L-carnitine**—Carnitine is required for transporting long-chain fatty acids into the cells, which is essential for the conversion of fatty acids into energy for the cells, especially in heart muscle. (See the Primary Ingredient Cross Reference for products listed under Heart PMG” Extract, Bovine; Liver PMG” Extract, Bovine; and Liver Powder, Bovine.)

**L-glutamine**—An amino acid used to make other amino acids, glucose, and glutathione. Used for energy by immune and intestinal cells.

**Lutein**—A type of phytochemical with antioxidant activity known as carotenoid (or natural pigment). Lutein is found in dark green leafy vegetables, such as kale.

**Magnesium lactate**—A source of magnesium.

**Manganese glycerophosphate**—A source of manganese, an essential trace mineral important for skeletal and cartilage formation.

**Manganese lactate**—A manganese salt derived from lactic acid that is a source of manganese. Manganese acts as a cofactor and catalyst in many enzymatic processes.

**Micronutrients**—Essential nutritional elements required in very small or trace amounts for the body to function properly. Examples include iron, copper, manganese, and zinc.

**Milk thistle** (*Silybum marianum*)—An annual or biennial plant of the Asteraceae family, its scientific name is *Silybum marianum*.

**Mixed tocopherols**—The antioxidant component of the vitamin E complex.

**Mushroom**—Available in many varieties and has a long history of use in traditional Chinese medicine.

**Nutritional yeast**—Inactive yeast with high protein and B-vitamin content.

**Oats**—A hardy cereal grain, common oats are known scientifically as *Avena sativa*.

**Ovine**—Sheep.

**Pea vine**—An annual leguminous vine.

**Pea vine juice**—The extracted juice from the pea vine.

**Phytonutrient**—Biologically active nutrients found in plants that give them their color and taste. Also referred to as phytochemicals, they are known to have health-promoting properties.

**Porcine**—Pork.

**Protomorphogen™ extract**—In the 1940s, Dr. Royal Lee pioneered a unique method of deriving extracts that contain what he called cell determinants from specific organs and glands for clinical use. He believed that these cell determinants functioned in cell regulation, maintenance, and interaction with tissue antibodies. It is clear both from the description of the extraction process and clinical use that these extracts differ from what is commonly referred to as “glandulars.” Furthermore, because these extracts have a distinct clinical application and effect, they should not be confused with glandulars, nor should they be referred to simply as “protomorphogens.” Rather, “Protomorphogen™” is the trademark used by Standard Process Inc. as a brand name assigned to these uniquely derived extracts. “PMG™” is another trademark used by Standard Process Inc. as another brand name for these extracts.

**Rhizopus oryzae**—A mold grown on *Tillandsia usneoides* and beet root as a source of enzymes.

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### Botanical and Common Name Reference

<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Common Name</th>
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<tr>
<td>Arctium lappa</td>
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<tr>
<td>Berberis aquifolium.</td>
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<td>Turkey tail mushroom</td>
<td>Coriolus versicolor</td>
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</table>

**Ribonucleic acid**—Nucleic acid occurring in cell cytoplasm and the nucleolus, first isolated in plants but later found in animal cells.

**Selenium yeast**—A rich source of selenium. Selenium is an essential trace element that has antioxidant activity mediated through its role in the formation and function of selenium-dependent glutathione peroxidases. Also believed to help maintain a healthy heart and joints.

**Silybum marianum (milk thistle)**—This species is an annual or biennial plant of the Asteraceae family.

**Soybean lecithin**—A rich source of lecithin, a precursor to choline. A substance that is crucial for proper central nervous system, liver, cardiovascular, and immune system health. A rich source of phospholipids.

**Spanish black radish**—An excellent source of sulfur, which protects against free radicals and is also beneficial in the healthy functioning of the GI tract.

**Sunflower lecithin**—A type of phospholipid found in sunflower seeds.

**Taraxacum officinale (dandelion)**—A flowering herbaceous perennial plant of the family Asteraceae.

**Tart cherry**—A fleshy stone fruit known for its antioxidant properties.

**Thiamine (vitamin B₁)**—A water-soluble vitamin that works with the other B vitamins to change protein, carbohydrates, and fat to energy.

**Tillandsia usneoides** (Spanish moss)—A plant belonging to the pineapple family and grown in the southeastern coastal plain of the United States. Spanish moss is a nonparasitic plant that is supported by another plant and has aerial roots exposed to the humid atmosphere.

**Turmeric**—An Indian perennial herb of the ginger family.

**Vanadium**—A grayish metallic element found combined in minerals.

**Wheat germ oil**—One of the richest sources of the complete vitamin E complex. Vitamin E is beneficial in multiple metabolic processes.

**Whey protein**—Whey (milk) protein is the protein and amino acid components extracted from whey. Whey is the clear liquid left after the protein of milk has been clotted and most of the fat removed, e.g., after cheese production.

**Whole desiccate**—The whole, dried glandular tissue. It contains proteins of the entire organ or gland in a concentrated form.

**Withania somnifera** (ashwaganda, Indian ginseng)—Part of the Solanaceae family, this plant’s tuberous roots have therapeutic uses.

**Yakriton**—A liver fat extract.

**Zinc chelate**—Contains zinc that is bound to bovine liver to maintain healthy zinc levels.
FAQs

The most commonly asked questions about Standard Process and our products:

Q  Is your calcium stearate derived from hydrogenated oils? Is it safe for consumption?
A  The calcium stearate we use is derived from palm oil, which is a saturated fat, like cocoa butter, dairy fats, etc. Calcium stearate is approved by the FDA to be used as a lubricant and is approved for use in food products.

Q  Why is sucrose listed on your labels?
A  The sucrose found in our products comes from natural sources such as sugar cane. Sucrose, along with starch and arabic gum, is used to coat vitamin A and vitamin D (cholecalciferol), making them into a powdered form that helps prevent oxidation of these vitamins. The amount of sucrose in the actual product is very minimal.

Q  Why is it better to take supplements throughout the day instead of all at once?
A  The body processes most compounds based on concentration; so the more there is, the faster the body works to process it. The key is getting the right concentration at the right time. In general, taking smaller amounts throughout the day allows the body to maintain a lower but more consistent amount for a longer period of time, sustaining the molecular mechanisms supported by the consumed compounds.

Q  Why would a product look different from bottle to bottle?
A  Because of the variability in sources of natural and organic ingredients, color, texture, and odor may vary from batch to batch. However, the basic formula remains constant, and product testing ensures quality.

Q  Why are honey, arabic gum, cellulose, and calcium stearate added to products?
A  Honey and arabic gum are used as binders in our tablet manufacturing process. Cellulose is used to give body to the powders. Calcium stearate, derived from vegetable sources, is used as a lubricant to help products release from the tablet machines. We do not use artificial flavoring or coloring.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
Q What does the ‘Best Used By’ date mean?
A The “Best Used By” information, located on all product boxes and on the shoulder of all product bottles, represents the date by which the product is best used by and the product code. Standard Process only guarantees product potency through the “Best Used By” date. Products are continuously tested to determine their shelf life. This testing has shown that certain products tend to have shorter shelf lives, which is reflected in the “Best Used By” date.

Q How do I read the ‘Best Used By’ information?
A You can read product code numbers to determine when products are produced. In this example, the product is best used by July 1, 2020, and the product code is L050118004.
L = lot number
05 = month produced (May)
01 = day produced (May 1)
18 = year produced (2018)
004 = randomized three-digit portion used for internal tracking

Example:

<table>
<thead>
<tr>
<th>Best Used By</th>
<th>Lot Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-1-20</td>
<td>L050118004</td>
</tr>
</tbody>
</table>

Q How do I read your product labels?
A Below is an example of the different parts of our label and what they refer to.
**FAQs**

**The most commonly asked questions about Standard Process and our products:**

**Q** How is the manufacturing equipment cleaned between different product runs?

**A** Between each separate product run, any equipment that comes in contact with ingredients or finished product is washed and sanitized. Swab samples are taken from several areas of each piece of equipment. These samples are exposed to a luminometer, which fluoresces in proportion to the amount of adenosine triphosphate (ATP) in the sample. ATP is found in and around all biological matter and would indicate a possible bacterial presence. If the luminometer measures ATP results beyond an acceptable level, the cleaning process is repeated and additional ATP tests are conducted. After the cleaned equipment passes the ATP testing protocol, the equipment is sanitized. Only then is the equipment ready for use with a new batch of product. If a clean piece of equipment is unused for more than 24 hours, it is resanitized prior to use. Sanitizing solutions are rotated regularly to avoid bacterial resistance. The surrounding production suite, including the floors, walls, and vent covers, is also cleaned.

**Q** What do I need to consider when recommending a combination of products?

**A** Standard Process products are thought to work synergistically and support multiple aspects of health. In some cases, combined products can result in very high levels of certain vitamins or minerals. Where warranted, guidance is provided for individual products on the label and in this catalog via warnings and cautions.
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- Phone: 888-982-8130
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Education

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